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JC644 U.S. PTO 05/13/99

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Signature	Billy Palmer	**Date**	May 13, 1999

JC526 U.S. PTO 09/313292 05/13/99

UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Atty Docket No.	2300-1487CIP
First Named Inventor	Williams, et al.
Title	Novel Human Genes and Gene Expression Products V
Express Mail No.	EL 341 578 896 US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents

Address to: Assistant Commissioner for Patents
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1. X Fee Transmittal Form
(Submit an original, and a duplicate for fee processing)

2. X Specification Total Pages 175
(preferred arrangement set forth below)
- Descriptive title of the invention
- Cross Reference to Related Applications
- Statement Regarding Fed sponsored R & D
- Reference to Microfiche Appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure

3. ___ Drawing(s) *(35 USC 113)* Total Sheets ____

4. X Oath or Declaration Total Sheets 06

a. ___ Newly executed (original or copy)
b. ___ Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 16 completed)

i. ___ DELETION OF INVENTOR(S)
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b)

c. X Unsigned

5. ___ Microfiche Computer Program (*Appendix*)

6. X Nucleotide and/or Amino Acid Sequence Submission (*if applicable, all necessary*)

a. X Computer Readable Copy
b. X Paper Copy (identical to computer copy)
c X Statement verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

7. ___ Assignment Papers (cover sheet & document(s))

8. ___ 37 CFR 3.73(b) Statement *(when there is an assignee)* ___ Power of Attorney

9. ___ English Translation Document *(if applicable)*

10. ___ Information Disclosure Statement (IDS)/PTO-1449 ___ Copies of IDS Citations

11. ___ Preliminary Amendment

12. X Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)

13. ___ Small Entity Statement(s) ___ Statement filed in prior application Status still proper and desired

14. ___ Certified Copy of Priority Document(s)
(if foreign priority is claimed)

15. ___ Other:

16a. If a CONTINUING APPLICATION, *check appropriate box and supply the requisite information:*
___ Continuation ___ Divisional X Continuation-in-part (CIP) of prior Provisional Application No. 60/085,426, filed May 14, 1998; and of prior Provisional Application No. 60/085,537, filed May 15, 1998; and of prior Provisional Application No. 60/085,696, filed May 15, 1998; and of prior Provisional Application No. 60/105,234, filed October 21, 1998; and of prior Provisional Application No. 60/105,877, filed October 27, 1998.

16b. If a CONVERSION from a PROVISIONAL APPLICATION, *supply the requisite information:*
Conversion of prior provisional application No. 60/___, filed ___.

UTILITY PATENT APPLICATION TRANSMITTAL
(Only for new non-provisional applications under 37 CFR 1.53(b))

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F:\DOCUMENT\2300\1487CIP\Application 1.53(b) Transmittal (with fee)

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Typed Name of Person Mailing Paper or Fee: Billy Palmen

CONTINUATION-IN-PART APPLICATION

FOR

NOVEL HUMAN GENES AND GENE EXPRESSION PRODUCTS V

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DEFENDANT'S EXHIBIT 1005

NOVEL HUMAN GENES AND GENE EXPRESSION PRODUCTS V

Cross-Reference to Related Applications

This application is a continuation-in-part of U.S. provisional patent application serial no. 60/085,426, filed May 14, 1998; and of U.S. provisional patent application serial no. 60/085,537, filed May 15, 1998; and of U.S. provisional patent application serial no. 60/085,696, filed May 15, 1998; and of U.S. provisional patent application serial no. 60/105,234, filed October 21, 1998; and of U.S. provisional patent application serial no. 60/105,877 filed October 27, 1998; each of which applications are incorporated herein by reference.

Field of the Invention

The present invention relates to polynucleotides of human origin and the encoded gene products.

Background of the Invention

Identification of novel polynucleotides, particularly those that encode an expressed gene product, is important in the advancement of drug discovery, diagnostic technologies, and the understanding of the progression and nature of complex diseases such as cancer. Identification of genes expressed in different cell types isolated from sources that differ in disease state or stage, developmental stage, exposure to various environmental factors, the tissue of origin, the species from which the tissue was isolated, and the like is key to identifying the genetic factors that are responsible for the phenotypes associated with these various differences.

This invention provides novel human polynucleotides, the polypeptides encoded by these polynucleotides, and the genes and proteins corresponding to these novel polynucleotides.

Summary of the Invention

This invention relates to novel human polynucleotides and variants thereof, their encoded polypeptides and variants thereof, to genes corresponding to these polynucleotides and to proteins expressed by the genes. The invention also relates to diagnostics and therapeutics comprising such novel human polynucleotides, their corresponding genes or gene products, including probes, antisense nucleotides, and antibodies. The polynucleotides of the invention correspond to a polynucleotide comprising the sequence information of at least one of SEQ ID NOS:1-2707.

Various aspects and embodiments of the invention will be readily apparent to the ordinarily skilled artisan upon reading the description provided herein.

Detailed Description of the Invention

The invention relates to polynucleotides comprising the disclosed nucleotide sequences, to full length cDNA, mRNA genomic sequences, and genes corresponding to these sequences and degenerate variants thereof, and to polypeptides encoded by the polynucleotides of the invention

and polypeptide variants. The following detailed description describes the polynucleotide compositions encompassed by the invention, methods for obtaining cDNA or genomic DNA encoding a full-length gene product, expression of these polynucleotides and genes, identification of structural motifs of the polynucleotides and genes, identification of the function of a gene product encoded by a gene corresponding to a polynucleotide of the invention, use of the provided polynucleotides as probes and in mapping and in tissue profiling, use of the corresponding polypeptides and other gene products to raise antibodies, and use of the polynucleotides and their encoded gene products for therapeutic and diagnostic purposes.

Polynucleotide Compositions

The scope of the invention with respect to polynucleotide compositions includes, but is not necessarily limited to, polynucleotides having a sequence set forth in any one of SEQ ID NOS:1-2707; polynucleotides obtained from the biological materials described herein or other biological sources (particularly human sources) by hybridization under stringent conditions (particularly conditions of high stringency); genes corresponding to the provided polynucleotides; variants of the provided polynucleotides and their corresponding genes, particularly those variants that retain a biological activity of the encoded gene product (*e.g.*, a biological activity ascribed to a gene product corresponding to the provided polynucleotides as a result of the assignment of the gene product to a protein family(ies) and/or identification of a functional domain present in the gene product). Other nucleic acid compositions contemplated by and within the scope of the present invention will be readily apparent to one of ordinary skill in the art when provided with the disclosure here. "Polynucleotide" and "nucleic acid" as used herein with reference to nucleic acids of the composition is not intended to be limiting as to the length or structure of the nucleic acid unless specifically indicted.

The invention features polynucleotides that are expressed in human tissue, specifically human colon, breast, and/or lung tissue. Novel nucleic acid compositions of the invention of particular interest comprise a sequence set forth in any one of SEQ ID NOS:1-2707 or an identifying sequence thereof. An "identifying sequence" is a contiguous sequence of residues at least about 10 nt to about 20 nt in length, usually at least about 50 nt to about 100 nt in length, that uniquely identifies a polynucleotide sequence, *e.g.*, exhibits less than 90%, usually less than about 80% to about 85% sequence identity to any contiguous nucleotide sequence of more than about 20 nt. Thus, the subject novel nucleic acid compositions include full length cDNAs or mRNAs that encompass an identifying sequence of contiguous nucleotides from any one of SEQ ID NOS: 1-2707.

The polynucleotides of the invention also include polynucleotides having sequence similarity or sequence identity. Nucleic acids having sequence similarity are detected by

hybridization under low stringency conditions, for example, at 50°C and 10XSSC (0.9 M saline/0.09 M sodium citrate) and remain bound when subjected to washing at 55°C in 1XSSC. Sequence identity can be determined by hybridization under stringent conditions, for example, at 50°C or higher and 0.1XSSC (9 mM saline/0.9 mM sodium citrate). Hybridization methods and conditions are well known in the art, see, *e.g.*, USPN 5,707,829. Nucleic acids that are substantially identical to the provided polynucleotide sequences, *e.g.* allelic variants, genetically altered versions of the gene, *etc.*, bind to the provided polynucleotide sequences (SEQ ID NOS:1-2707) under stringent hybridization conditions. By using probes, particularly labeled probes of DNA sequences, one can isolate homologous or related genes. The source of homologous genes can be any species, *e.g.* primate species, particularly human; rodents, such as rats and mice; canines, felines, bovines, ovines, equines, yeast, nematodes, *etc.*

Preferably, hybridization is performed using at least 15 contiguous nucleotides (nt) of at least one of SEQ ID NOS:1-2707. That is, when at least 15 contiguous nt of one of the disclosed SEQ ID NOS. is used as a probe, the probe will preferentially hybridize with a nucleic acid comprising the complementary sequence, allowing the identification and retrieval of the nucleic acids that uniquely hybridize to the selected probe. Probes from more than one SEQ ID NO. can hybridize with the same nucleic acid if the cDNA from which they were derived corresponds to one mRNA. Probes of more than 15 nt can be used, e.g., probes of from about 18 nt to about 100 nt, but 15 nt represents sufficient sequence for unique identification.

The polynucleotides of the invention also include naturally occurring variants of the nucleotide sequences (*e.g.*, degenerate variants, allelic variants, *etc.*). Variants of the polynucleotides of the invention are identified by hybridization of putative variants with nucleotide sequences disclosed herein, preferably by hybridization under stringent conditions. For example, by using appropriate wash conditions, variants of the polynucleotides of the invention can be identified where the allelic variant exhibits at most about 25-30% base pair (bp) mismatches relative to the selected polynucleotide probe. In general, allelic variants contain 15-25% bp mismatches, and can contain as little as even 5-15%, or 2-5%, or 1-2% bp mismatches, as well as a single bp mismatch.

The invention also encompasses homologs corresponding to the polynucleotides of SEQ ID NOS:1-2707, where the source of homologous genes can be any mammalian species, *e.g.*, primate species, particularly human; rodents, such as rats; canines, felines, bovines, ovines, equines, yeast, nematodes, etc. Between mammalian species, *e.g.*, human and mouse, homologs generally have substantial sequence similarity, *e.g.*, at least 75% sequence identity, usually at least 90%, more usually at least 95% between nucleotide sequences. Sequence similarity is calculated based on a reference sequence, which may be a subset of a larger sequence, such as a conserved motif, coding region, flanking region, *etc.* A reference sequence will usually be at least about 18 contiguous nt

long, more usually at least about 30 nt long, and may extend to the complete sequence that is being compared. Algorithms for sequence analysis are known in the art, such as gapped BLAST, described in Altschul, et al. *Nucleic Acids Res.* (1997) *25*:3389-3402.

In general, variants of the invention have a sequence identity greater than at least about 65%, preferably at least about 75%, more preferably at least about 85%, and can be greater than at least about 90% or more as determined by the Smith-Waterman homology search algorithm as implemented in MPSRCH program (Oxford Molecular). For the purposes of this invention, a preferred method of calculating percent identity is the Smith-Waterman algorithm, using the following. Global DNA sequence identity must be greater than 65% as determined by the Smith-Waterman homology search algorithm as implemented in MPSRCH program (Oxford Molecular) using an affine gap search with the following search parameters: gap open penalty, 12; and gap extension penalty, 1.

The subject nucleic acids can be cDNAs or genomic DNAs, as well as fragments thereof, particularly fragments that encode a biologically active gene product and/or are useful in the methods disclosed herein (*e.g.*, in diagnosis, as a unique identifier of a differentially expressed gene of interest, *etc.*). The term "cDNA" as used herein is intended to include all nucleic acids that share the arrangement of sequence elements found in native mature mRNA species, where sequence elements are exons and 3' and 5' non-coding regions. Normally mRNA species have contiguous exons, with the intervening introns, when present, being removed by nuclear RNA splicing, to create a continuous open reading frame encoding a polypeptide of the invention.

A genomic sequence of interest comprises the nucleic acid present between the initiation codon and the stop codon, as defined in the listed sequences, including all of the introns that are normally present in a native chromosome. It can further include the 3' and 5' untranslated regions found in the mature mRNA. It can further include specific transcriptional and translational regulatory sequences, such as promoters, enhancers, *etc.*, including about 1 kb, but possibly more, of flanking genomic DNA at either the 5' and 3' end of the transcribed region. The genomic DNA can be isolated as a fragment of 100 kbp or smaller; and substantially free of flanking chromosomal sequence. The genomic DNA flanking the coding region, either 3' and 5', or internal regulatory sequences as sometimes found in introns, contains sequences required for proper tissue, stage-specific, or disease-state specific expression.

The nucleic acid compositions of the subject invention can encode all or a part of the subject polypeptides. Double or single stranded fragments can be obtained from the DNA sequence by chemically synthesizing oligonucleotides in accordance with conventional methods, by restriction enzyme digestion, by PCR amplification, *etc.* Isolated polynucleotides and polynucleotide fragments of the invention comprise at least about 10, about 15, about 20, about 35,

about 50, about 100, about 150 to about 200, about 250 to about 300, or about 350 contiguous nt selected from the polynucleotide sequences as shown in SEQ ID NOS:1-2707. For the most part, fragments will be of at least 15 nt, usually at least 18 nt or 25 nt, and up to at least about 50 contiguous nt in length or more. In a preferred embodiment, the polynucleotide molecules comprise a contiguous sequence of at least 12 nt selected from the group consisting of the polynucleotides shown in SEQ ID NOS:1-2707.

Probes specific to the polynucleotides of the invention can be generated using the polynucleotide sequences disclosed in SEQ ID NOS:1-2707. The probes are preferably at least about a 12, 15, 16, 18, 20, 22, 24, or 25 nt fragment of a corresponding contiguous sequence of SEQ ID NOS:1-2707, and can be less than 2, 1, 0.5, 0.1, or 0.05 kb in length. The probes can be synthesized chemically or can be generated from longer polynucleotides using restriction enzymes. The probes can be labeled, for example, with a radioactive, biotinylated, or fluorescent tag. Preferably, probes are designed based upon an identifying sequence of a polynucleotide of one of SEQ ID NOS:1-2707 . More preferably, probes are designed based on a contiguous sequence of one of the subject polynucleotides that remain unmasked following application of a masking program for masking low complexity (*e.g.*, XBLAST) to the sequence., *i.e.*, one would select an unmasked region, as indicated by the polynucleotides outside the poly-n stretches of the masked sequence produced by the masking program.

The polynucleotides of the subject invention are isolated and obtained in substantial purity, generally as other than an intact chromosome. Usually, the polynucleotides, either as DNA or RNA, will be obtained substantially free of other naturally-occurring nucleic acid sequences, generally being at least about 50%, usually at least about 90% pure and are typically "recombinant", *e.g.*, flanked by one or more nucleotides with which it is not normally associated on a naturally occurring chromosome.

The polynucleotides of the invention can be provided as a linear molecule or within a circular molecule, and can be provided within autonomously replicating molecules (vectors) or within molecules without replication sequences. Expression of the polynucleotides can be regulated by their own or by other regulatory sequences known in the art. The polynucleotides of the invention can be introduced into suitable host cells using a variety of techniques available in the art, such as transferrin polycation-mediated DNA transfer, transfection with naked or encapsulated nucleic acids, liposome-mediated DNA transfer, intracellular transportation of DNA-coated latex beads, protoplast fusion, viral infection, electroporation, gene gun, calcium phosphate-mediated transfection, and the like.

The subject nucleic acid compositions can be used to, for example, produce polypeptides, as probes for the detection of mRNA of the invention in biological samples (*e.g.*, extracts of human

cells) to generate additional copies of the polynucleotides, to generate ribozymes or antisense oligonucleotides, and as single stranded DNA probes or as triple-strand forming oligonucleotides. The probes described herein can be used to, for example, determine the presence or absence of the polynucleotide sequences as shown in SEQ ID NOS:1-2707 or variants thereof in a sample. These and other uses are described in more detail below.

Use of Polynucleotides to Obtain Full-Length cDNA, Gene, and Promoter Region

Full-length cDNA molecules comprising the disclosed polynucleotides are obtained as follows. A polynucleotide having a sequence of one of SEQ ID NOS:1-2707, or a portion thereof comprising at least 12, 15, 18, or 20 nt, is used as a hybridization probe to detect hybridizing members of a cDNA library using probe design methods, cloning methods, and clone selection techniques such as those described in USPN 5,654,173. Libraries of cDNA are made from selected tissues, such as normal or tumor tissue, or from tissues of a mammal treated with, for example, a pharmaceutical agent. Preferably, the tissue is the same as the tissue from which the polynucleotides of the invention were isolated, as both the polynucleotides described herein and the cDNA represent expressed genes. Most preferably, the cDNA library is made from the biological material described herein in the Examples. The choice of cell type for library construction can be made after the identity of the protein encoded by the gene corresponding to the polynucleotide of the invention is known. This will indicate which tissue and cell types are likely to express the related gene, and thus represent a suitable source for the mRNA for generating the cDNA. Where the provided polynucleotides are isolated from cDNA libraries, the libraries are prepared from mRNA of human colon cells, more preferably, human colon cancer cells, even more preferably, from a highly metastatic colon cell, Km12L4-A.

Techniques for producing and probing nucleic acid sequence libraries are described, for example, in Sambrook *et al.*, *Molecular Cloning: A Laboratory Manual, 2nd Ed.*, (1989) Cold Spring Harbor Press, Cold Spring Harbor, NY. The cDNA can be prepared by using primers based on sequence from SEQ ID NOS:1-2707 . In one embodiment, the cDNA library can be made from only poly-adenylated mRNA. Thus, poly-T primers can be used to prepare cDNA from the mRNA.

Members of the library that are larger than the provided polynucleotides, and preferably that encompass the complete coding sequence of the native message, are obtained. In order to confirm that the entire cDNA has been obtained, RNA protection experiments are performed as follows. Hybridization of a full-length cDNA to an mRNA will protect the RNA from RNase degradation. If the cDNA is not full length, then the portions of the mRNA that are not hybridized will be subject to RNase degradation. This is assayed, as is known in the art, by changes in electrophoretic mobility on polyacrylamide gels, or by detection of released monoribonucleotides. Sambrook *et al.*, *Molecular Cloning: A Laboratory Manual, 2nd Ed.*, (1989) Cold Spring Harbor Press, Cold Spring

Harbor, NY. In order to obtain additional sequences 5' to the end of a partial cDNA, 5' RACE (*PCR Protocols: A Guide to Methods and Applications*, (1990) Academic Press, Inc.) can be performed.

Genomic DNA is isolated using the provided polynucleotides in a manner similar to the isolation of full-length cDNAs. Briefly, the provided polynucleotides, or portions thereof, are used as probes to libraries of genomic DNA. Preferably, the library is obtained from the cell type that was used to generate the polynucleotides of the invention, but this is not essential. Most preferably, the genomic DNA is obtained from the biological material described herein in the Examples. Such libraries can be in vectors suitable for carrying large segments of a genome, such as P1 or YAC, as described in detail in Sambrook *et al.*, 9.4-9.30. In addition, genomic sequences can be isolated from human BAC libraries, which are commercially available from Research Genetics, Inc., Huntsville, Alabama, USA, for example. In order to obtain additional 5' or 3' sequences, chromosome walking is performed, as described in Sambrook *et al.*, such that adjacent and overlapping fragments of genomic DNA are isolated. These are mapped and pieced together, as is known in the art, using restriction digestion enzymes and DNA ligase.

Using the polynucleotide sequences of the invention, corresponding full-length genes can be isolated using both classical and PCR methods to construct and probe cDNA libraries. Using either method, Northern blots, preferably, are performed on a number of cell types to determine which cell lines express the gene of interest at the highest level. Classical methods of constructing cDNA libraries are taught in Sambrook *et al.*, *supra*. With these methods, cDNA can be produced from mRNA and inserted into viral or expression vectors. Typically, libraries of mRNA comprising poly(A) tails can be produced with poly(T) primers. Similarly, cDNA libraries can be produced using the instant sequences as primers.

PCR methods are used to amplify the members of a cDNA library that comprise the desired insert. In this case, the desired insert will contain sequence from the full length cDNA that corresponds to the instant polynucleotides. Such PCR methods include gene trapping and RACE methods. Gene trapping entails inserting a member of a cDNA library into a vector. The vector then is denatured to produce single stranded molecules. Next, a substrate-bound probe, such a biotinylated oligo, is used to trap cDNA inserts of interest. Biotinylated probes can be linked to an avidin-bound solid substrate. PCR methods can be used to amplify the trapped cDNA. To trap sequences corresponding to the full length genes, the labeled probe sequence is based on the polynucleotide sequences of the invention. Random primers or primers specific to the library vector can be used to amplify the trapped cDNA. Such gene trapping techniques are described in Gruber *et al.*, WO 95/04745 and Gruber *et al.*, USPN 5,500,356. Kits are commercially available to perform gene trapping experiments from, for example, Life Technologies, Gaithersburg, Maryland, USA.

"Rapid amplification of cDNA ends," or RACE, is a PCR method of amplifying cDNAs from a number of different RNAs. The cDNAs are ligated to an oligonucleotide linker, and amplified by PCR using two primers. One primer is based on sequence from the instant polynucleotides, for which full length sequence is desired, and a second primer comprises sequence that hybridizes to the oligonucleotide linker to amplify the cDNA. A description of this methods is reported in WO 97/19110. In preferred embodiments of RACE, a common primer is designed to anneal to an arbitrary adaptor sequence ligated to cDNA ends (Apte and Siebert, *Biotechniques* (1993) *15*:890-893; Edwards *et al.*, *Nuc. Acids Res.* (1991) *19*:5227-5232). When a single gene-specific RACE primer is paired with the common primer, preferential amplification of sequences between the single gene specific primer and the common primer occurs. Commercial cDNA pools modified for use in RACE are available.

Another PCR-based method generates full-length cDNA library with anchored ends without needing specific knowledge of the cDNA sequence. The method uses lock-docking primers (I-VI), where one primer, poly TV (I-III) locks over the polyA tail of eukaryotic mRNA producing first strand synthesis and a second primer, polyGH (IV-VI) locks onto the polyC tail added by terminal deoxynucleotidyl transferase (TdT)(see, e.g., WO 96/40998).

The promoter region of a gene generally is located 5' to the initiation site for RNA polymerase II. Hundreds of promoter regions contain the "TATA" box, a sequence such as TATTA or TATAA, which is sensitive to mutations. The promoter region can be obtained by performing 5' RACE using a primer from the coding region of the gene. Alternatively, the cDNA can be used as a probe for the genomic sequence, and the region 5' to the coding region is identified by "walking up." If the gene is highly expressed or differentially expressed, the promoter from the gene can be of use in a regulatory construct for a heterologous gene.

Once the full-length cDNA or gene is obtained, DNA encoding variants can be prepared by site-directed mutagenesis, described in detail in Sambrook *et al.*, 15.3-15.63. The choice of codon or nucleotide to be replaced can be based on disclosure herein on optional changes in amino acids to achieve altered protein structure and/or function.

As an alternative method to obtaining DNA or RNA from a biological material, nucleic acid comprising nucleotides having the sequence of one or more polynucleotides of the invention can be synthesized. Thus, the invention encompasses nucleic acid molecules ranging in length from 15 nt (corresponding to at least 15 contiguous nt of one of SEQ ID NOS:1-2707) up to a maximum length suitable for one or more biological manipulations, including replication and expression, of the nucleic acid molecule. The invention includes but is not limited to (a) nucleic acid having the size of a full gene, and comprising at least one of SEQ ID NOS:1-2707; (b) the nucleic acid of (a) also comprising at least one additional gene, operably linked to permit expression of a fusion

protein; (c) an expression vector comprising (a) or (b); (d) a plasmid comprising (a) or (b) ; and (e) a recombinant viral particle comprising (a) or (b). Once provided with the polynucleotides disclosed herein, construction or preparation of (a) - (e) are well within the skill in the art.

The sequence of a nucleic acid comprising at least 15 contiguous nt of at least any one of SEQ ID NOS:1-2707, preferably the entire sequence of at least any one of SEQ ID NOS:1-2707, is not limited and can be any sequence of A, T, G, and/or C (for DNA) and A, U, G, and/or C (for RNA) or modified bases thereof, including inosine and pseudouridine. The choice of sequence will depend on the desired function and can be dictated by coding regions desired, the intron-like regions desired, and the regulatory regions desired. Where the entire sequence of any one of SEQ ID NOS:1-2707 is within the nucleic acid, the nucleic acid obtained is referred to herein as a polynucleotide comprising the sequence of any one of SEQ ID NOS:1-2707.

Expression of Polypeptide Encoded by Full-Length cDNA or Full-Length Gene

The provided polynucleotides (*e.g.*, a polynucleotide having a sequence of one of SEQ ID NOS:1-2707), the corresponding cDNA, or the full-length gene is used to express a partial or complete gene product. Constructs of polynucleotides having sequences of SEQ ID NOS:1-2707 can also be generated synthetically. Alternatively, single-step assembly of a gene and entire plasmid from large numbers of oligodeoxyribonucleotides is described by, *e.g.*, Stemmer *et al., Gene (Amsterdam)* (1995) *164(1)*:49-53. In this method, assembly PCR (the synthesis of long DNA sequences from large numbers of oligodeoxyribonucleotides (oligos)) is described. The method is derived from DNA shuffling (Stemmer, *Nature* (1994) *370*:389-391), and does not rely on DNA ligase, but instead relies on DNA polymerase to build increasingly longer DNA fragments during the assembly process.

Appropriate polynucleotide constructs are purified using standard recombinant DNA techniques as described in, for example, Sambrook *et al.*, *Molecular Cloning: A Laboratory Manual, 2nd Ed.*, (1989) Cold Spring Harbor Press, Cold Spring Harbor, NY, and under current regulations described in United States Dept. of HHS, National Institute of Health (NIH) Guidelines for Recombinant DNA Research. The gene product encoded by a polynucleotide of the invention is expressed in any expression system, including, for example, bacterial, yeast, insect, amphibian and mammalian systems. Vectors, host cells and methods for obtaining expression in same are well known in the art. Suitable vectors and host cells are described in USPN 5,654,173.

Polynucleotide molecules comprising a polynucleotide sequence provided herein are generally propagated by placing the molecule in a vector. Viral and non-viral vectors are used, including plasmids. The choice of plasmid will depend on the type of cell in which propagation is desired and the purpose of propagation. Certain vectors are useful for amplifying and making large amounts of the desired DNA sequence. Other vectors are suitable for expression in cells in culture.

Still other vectors are suitable for transfer and expression in cells in a whole animal or person. The choice of appropriate vector is well within the skill of the art. Many such vectors are available commercially. Methods for preparation of vectors comprising a desired sequence are well known in the art.

The polynucleotides set forth in SEQ ID NOS:1-2707 or their corresponding full-length polynucleotides are linked to regulatory sequences as appropriate to obtain the desired expression properties. These can include promoters (attached either at the 5' end of the sense strand or at the 3' end of the antisense strand), enhancers, terminators, operators, repressors, and inducers. The promoters can be regulated or constitutive. In some situations it may be desirable to use conditionally active promoters, such as tissue-specific or developmental stage-specific promoters. These are linked to the desired nucleotide sequence using the techniques described above for linkage to vectors. Any techniques known in the art can be used.

When any of the above host cells, or other appropriate host cells or organisms, are used to replicate and/or express the polynucleotides or nucleic acids of the invention, the resulting replicated nucleic acid, RNA, expressed protein or polypeptide, is within the scope of the invention as a product of the host cell or organism. The product is recovered by any appropriate means known in the art.

Once the gene corresponding to a selected polynucleotide is identified, its expression can be regulated in the cell to which the gene is native. For example, an endogenous gene of a cell can be regulated by an exogenous regulatory sequence as disclosed in USPN 5,641,670.

Identification of Functional and Structural Motifs of Novel Genes Screening Against Publicly Available Databases

Translations of the nucleotide sequence of the provided polynucleotides, cDNAs or full genes can be aligned with individual known sequences. Similarity with individual sequences can be used to determine the activity of the polypeptides encoded by the polynucleotides of the invention. Also, sequences exhibiting similarity with more than one individual sequence can exhibit activities that are characteristic of either or both individual sequences.

The full length sequences and fragments of the polynucleotide sequences of the nearest neighbors can be used as probes and primers to identify and isolate the full length sequence corresponding to provided polynucleotides. The nearest neighbors can indicate a tissue or cell type to be used to construct a library for the full-length sequences corresponding to the provided polynucleotides.

Typically, a selected polynucleotide is translated in all six frames to determine the best alignment with the individual sequences. The sequences disclosed herein in the Sequence Listing

are in a 5' to 3' orientation and translation in three frames can be sufficient (with a few specific exceptions as described in the Examples). These amino acid sequences are referred to, generally, as query sequences, which will be aligned with the individual sequences. Databases with individual sequences are described in "Computer Methods for Macromolecular Sequence Analysis" *Methods in Enzymology* (1996) *266*, Doolittle, Academic Press, Inc., a division of Harcourt Brace & Co., San Diego, California, USA. Databases include GenBank, EMBL, and DNA Database of Japan (DDBJ).

Query and individual sequences can be aligned using the methods and computer programs described above, and include BLAST 2.0, available over the world wide web at http://www.ncbi.nlm.nih.gov/BLAST/. See also Altschul, et al. *Nucleic Acids Res.* (1997) *25*:3389-3402. Another alignment algorithm is Fasta, available in the Genetics Computing Group (GCG) package, Madison, Wisconsin, USA, a wholly owned subsidiary of Oxford Molecular Group, Inc. Other techniques for alignment are described in Doolittle, *supra*. Preferably, an alignment program that permits gaps in the sequence is utilized to align the sequences. The Smith-Waterman is one type of algorithm that permits gaps in sequence alignments. See *Meth. Mol. Biol.* (1997) *70*: 173-187. Also, the GAP program using the Needleman and Wunsch alignment method can be utilized to align sequences. An alternative search strategy uses MPSRCH software, which runs on a MASPAR computer. MPSRCH uses a Smith-Waterman algorithm to score sequences on a massively parallel computer. This approach improves ability to identify sequences that are distantly related matches, and is especially tolerant of small gaps and nucleotide sequence errors. Amino acid sequences encoded by the provided polynucleotides can be used to search both protein and DNA databases. Incorporated herein by reference are all sequences that have been made public as of the filing date of this application by any of the DNA or protein sequence databases, including the patent databases (*e.g.*, GeneSeq). Also incorporated by reference are those sequences that have been submitted to these databases as of the filing date of the present application but not made public until after the filing date of the present application.

Results of individual and query sequence alignments can be divided into three categories: high similarity, weak similarity, and no similarity. Individual alignment results ranging from high similarity to weak similarity provide a basis for determining polypeptide activity and/or structure. Parameters for categorizing individual results include: percentage of the alignment region length where the strongest alignment is found, percent sequence identity, and p value. The percentage of the alignment region length is calculated by counting the number of residues of the individual sequence found in the region of strongest alignment, *e.g.*, contiguous region of the individual sequence that contains the greatest number of residues that are identical to the residues of the corresponding region of the aligned query sequence. This number is divided by the total residue

length of the query sequence to calculate a percentage. For example, a query sequence of 20 amino acid residues might be aligned with a 20 amino acid region of an individual sequence. The individual sequence might be identical to amino acid residues 5, 9-15, and 17-19 of the query sequence. The region of strongest alignment is thus the region stretching from residue 9-19, an 11 amino acid stretch. The percentage of the alignment region length is: 11 (length of the region of strongest alignment) divided by (query sequence length) 20 or 55%.

Percent sequence identity is calculated by counting the number of amino acid matches between the query and individual sequence and dividing total number of matches by the number of residues of the individual sequences found in the region of strongest alignment. Thus, the percent identity in the example above would be 10 matches divided by 11 amino acids, or approximately, 90.9%

P value is the probability that the alignment was produced by chance. For a single alignment, the p value can be calculated according to Karlin *et al., Proc. Natl. Acad. Sci.* (1990) *87*:2264 and Karlin *et al., Proc. Natl. Acad. Sci.* (1993) *90*. The p value of multiple alignments using the same query sequence can be calculated using an heuristic approach described in Altschul *et al., Nat. Genet.* (1994) *6*:119. Alignment programs such as BLAST program can calculate the p value. See also Altschul *et al., Nucleic Acids Res.* (1997) *25*:3389-3402.

Another factor to consider for determining identity or similarity is the location of the similarity or identity. Strong local alignment can indicate similarity even if the length of alignment is short. Sequence identity scattered throughout the length of the query sequence also can indicate a similarity between the query and profile sequences. The boundaries of the region where the sequences align can be determined according to Doolittle, *supra*; BLAST 2.0 (see, *e.g.*, Altschul, et al. *Nucleic Acids Res.* (1997) *25*:3389-3402) or FAST programs; or by determining the area where sequence identity is highest.

High Similarity. In general, in alignment results considered to be of high similarity, the percent of the alignment region length is typically at least about 55% of total length query sequence; more typically, at least about 58%; even more typically; at least about 60% of the total residue length of the query sequence. Usually, percent length of the alignment region can be as much as about 62%; more usually, as much as about 64%; even more usually, as much as about 66%. Further, for high similarity, the region of alignment, typically, exhibits at least about 75% of sequence identity; more typically, at least about 78%; even more typically; at least about 80% sequence identity. Usually, percent sequence identity can be as much as about 82%; more usually, as much as about 84%; even more usually, as much as about 86%.

The p value is used in conjunction with these methods. If high similarity is found, the query sequence is considered to have high similarity with a profile sequence when the p value is less than

or equal to about 10^{-2}; more usually; less than or equal to about 10^{-3}; even more usually; less than or equal to about 10^{-4}. More typically, the p value is no more than about 10^{-5}; more typically; no more than or equal to about 10^{-10}; even more typically; no more than or equal to about 10^{-15} for the query sequence to be considered high similarity.

Weak Similarity. In general, where alignment results considered to be of weak similarity, there is no minimum percent length of the alignment region nor minimum length of alignment. A better showing of weak similarity is considered when the region of alignment is, typically, at least about 15 amino acid residues in length; more typically, at least about 20; even more typically; at least about 25 amino acid residues in length. Usually, length of the alignment region can be as much as about 30 amino acid residues; more usually, as much as about 40; even more usually, as much as about 60 amino acid residues. Further, for weak similarity, the region of alignment, typically, exhibits at least about 35% of sequence identity; more typically, at least about 40%; even more typically; at least about 45% sequence identity. Usually, percent sequence identity can be as much as about 50%; more usually, as much as about 55%; even more usually, as much as about 60%.

If low similarity is found, the query sequence is considered to have weak similarity with a profile sequence when the p value is usually less than or equal to about 10^{-2}; more usually; less than or equal to about 10^{-3}; even more usually; less than or equal to about 10^{-4}. More typically, the p value is no more than about 10^{-5}; more usually; no more than or equal to about 10^{-10}; even more usually; no more than or equal to about 10^{-15} for the query sequence to be considered weak similarity.

Similarity Determined by Sequence Identity Alone. Sequence identity alone can be used to determine similarity of a query sequence to an individual sequence and can indicate the activity of the sequence. Such an alignment, preferably, permits gaps to align sequences. Typically, the query sequence is related to the profile sequence if the sequence identity over the entire query sequence is at least about 15%; more typically, at least about 20%; even more typically, at least about 25%; even more typically, at least about 50%. Sequence identity alone as a measure of similarity is most useful when the query sequence is usually, at least 80 residues in length; more usually, 90 residues; even more usually, at least 95 amino acid residues in length. More typically, similarity can be concluded based on sequence identity alone when the query sequence is preferably 100 residues in length; more preferably, 120 residues in length; even more preferably, 150 amino acid residues in length.

Alignments with Profile and Multiple Aligned Sequences. Translations of the provided polynucleotides can be aligned with amino acid profiles that define either protein families or common motifs. Also, translations of the provided polynucleotides can be aligned to multiple sequence alignments (MSA) comprising the polypeptide sequences of members of protein families or motifs. Similarity or identity with profile sequences or MSAs can be used to determine the activity of the gene products (*e.g.*, polypeptides) encoded by the provided polynucleotides or corresponding cDNA or genes. For example, sequences that show an identity or similarity with a chemokine profile or MSA can exhibit chemokine activities.

Profiles can designed manually by (1) creating an MSA, which is an alignment of the amino acid sequence of members that belong to the family and (2) constructing a statistical representation of the alignment. Such methods are described, for example, in Birney *et al.*, *Nucl. Acid Res.* (1996) *24(14)*: 2730-2739. MSAs of some protein families and motifs are publicly available. For example, http://genome.wustl.edu/Pfam/ includes MSAs of 547 different families and motifs. These MSAs are described also in Sonnhammer *et al.*, *Proteins* (1997) *28*: 405-420. Other sources over the world wide web include the site at http://www.embl-heidelberg.de/argos/ali/ali.htm1; alternatively, a message can be sent to ALI@EMBL-HEIDELBERG.DE for the information. A brief description of these MSAs is reported in Pascarella *et al.*, *Prot. Eng.* (1996) *9(3)*:249-251. Techniques for building profiles from MSAs are described in Sonnhammer *et al.*, *supra*; Birney *et al.*, *supra*; and "Computer Methods for Macromolecular Sequence Analysis," *Methods in Enzymology* (1996) *266*, Doolittle, Academic Press, Inc., San Diego, California, USA.

Similarity between a query sequence and a protein family or motif can be determined by (a) comparing the query sequence against the profile and/or (b) aligning the query sequence with the members of the family or motif. Typically, a program such as Searchwise is used to compare the query sequence to the statistical representation of the multiple alignment, also known as a profile (see Birney *et al.*, *supra)*. Other techniques to compare the sequence and profile are described in Sonnhammer *et al.*, *supra* and Doolittle, *supra.*

Next, methods described by Feng *et al.*, *J. Mol. Evol.* (1987) *25*:351 and Higgins *et al.*, *CABIOS* (1989) *5*:151 can be used align the query sequence with the members of a family or motif, also known as a MSA. Sequence alignments can be generated using any of a variety of software tools. Examples include PileUp, which creates a multiple sequence alignment, and is described in Feng *et al.*, *J. Mol. Evol.* (1987) *25*:351. Another method, GAP, uses the alignment method of Needleman *et al.*, *J. Mol. Biol.* (1970) *48*:443. GAP is best suited for global alignment of sequences. A third method, BestFit, functions by inserting gaps to maximize the number of matches using the local homology algorithm of Smith *et al.*, *Adv. Appl. Math.* (1981) *2*:482. In general, the following factors are used to determine if a similarity between a query sequence and a profile or

MSA exists: (1) number of conserved residues found in the query sequence, (2) percentage of conserved residues found in the query sequence, (3) number of frameshifts, and (4) spacing between conserved residues.

Some alignment programs that both translate and align sequences can make any number of frameshifts when translating the nucleotide sequence to produce the best alignment. The fewer frameshifts needed to produce an alignment, the stronger the similarity or identity between the query and profile or MSAs. For example, a weak similarity resulting from no frameshifts can be a better indication of activity or structure of a query sequence, than a strong similarity resulting from two frameshifts. Preferably, three or fewer frameshifts are found in an alignment; more preferably two or fewer frameshifts; even more preferably, one or fewer frameshifts; even more preferably, no frameshifts are found in an alignment of query and profile or MSAs.

Conserved residues are those amino acids found at a particular position in all or some of the family or motif members. Alternatively, a position is considered conserved if only a certain class of amino acids is found in a particular position in all or some of the family members. For example, the N-terminal position can contain a positively charged amino acid, such as lysine, arginine, or histidine.

Typically, a residue of a polypeptide is conserved when a class of amino acids or a single amino acid is found at a particular position in at least about 40% of all class members; more typically, at least about 50%; even more typically, at least about 60% of the members. Usually, a residue is conserved when a class or single amino acid is found in at least about 70% of the members of a family or motif; more usually, at least about 80%; even more usually, at least about 90%; even more usually, at least about 95%.

A residue is considered conserved when three unrelated amino acids are found at a particular position in the some or all of the members; more usually, two unrelated amino acids. These residues are conserved when the unrelated amino acids are found at particular positions in at least about 40% of all class member; more typically, at least about 50%; even more typically, at least about 60% of the members. Usually, a residue is conserved when a class or single amino acid is found in at least about 70% of the members of a family or motif; more usually, at least about 80%; even more usually, at least about 90%; even more usually, at least about 95%.

A query sequence has similarity to a profile or MSA when the query sequence comprises at least about 25% of the conserved residues of the profile or MSA; more usually, at least about 30%; even more usually; at least about 40%. Typically, the query sequence has a stronger similarity to a profile sequence or MSA when the query sequence comprises at least about 45% of the conserved residues of the profile or MSA; more typically, at least about 50%; even more typically; at least about 55%.

Identification of Secreted & Membrane-Bound Polypeptides

Both secreted and membrane-bound polypeptides of the present invention are of particular interest. For example, levels of secreted polypeptides can be assayed in body fluids that are convenient, such as blood, plasma, serum, and other body fluids such as urine, prostatic fluid and semen. Membrane-bound polypeptides are useful for constructing vaccine antigens or inducing an immune response. Such antigens would comprise all or part of the extracellular region of the membrane-bound polypeptides. Because both secreted and membrane-bound polypeptides comprise a fragment of contiguous hydrophobic amino acids, hydrophobicity predicting algorithms can be used to identify such polypeptides.

A signal sequence is usually encoded by both secreted and membrane-bound polypeptide genes to direct a polypeptide to the surface of the cell. The signal sequence usually comprises a stretch of hydrophobic residues. Such signal sequences can fold into helical structures. Membrane-bound polypeptides typically comprise at least one transmembrane region that possesses a stretch of hydrophobic amino acids that can transverse the membrane. Some transmembrane regions also exhibit a helical structure. Hydrophobic fragments within a polypeptide can be identified by using computer algorithms. Such algorithms include Hopp & Woods,*Proc. Natl. Acad. Sci. USA* (1981) *78*:3824-3828; Kyte & Doolittle, *J. Mol. Biol.* (1982) *157*: 105-132; and RAOAR algorithm, Degli Esposti *et al.*, *Eur. J. Biochem.* (1990) *190*: 207-219.

Another method of identifying secreted and membrane-bound polypeptides is to translate the polynucleotides of the invention in all six frames and determine if at least 8 contiguous hydrophobic amino acids are present. Those translated polypeptides with at least 8; more typically, 10; even more typically, 12 contiguous hydrophobic amino acids are considered to be either a putative secreted or membrane bound polypeptide. Hydrophobic amino acids include alanine, glycine, histidine, isoleucine, leucine, lysine, methionine, phenylalanine, proline, threonine, tryptophan, tyrosine, and valine

Identification of the Function of an Expression Product of a Full-Length Gene

Ribozymes, antisense constructs, and dominant negative mutants can be used to determine function of the expression product of a gene corresponding to a polynucleotide provided herein. These methods and compositions are particularly useful where the provided novel polynucleotide exhibits no significant or substantial homology to a sequence encoding a gene of known function. Antisense molecules and ribozymes can be constructed from synthetic polynucleotides. Typically, the phosphoramidite method of oligonucleotide synthesis is used. See Beaucage *et al.*, *Tet. Lett.* (1981) *22*:1859 and USPN 4,668,777. Automated devices for synthesis are available to create oligonucleotides using this chemistry. Examples of such devices include Biosearch 8600, Models 392 and 394 by Applied Biosystems, a division of Perkin-Elmer Corp., Foster City, California,

USA; and Expedite by Perceptive Biosystems, Framingham, Massachusetts, USA. Synthetic RNA, phosphate analog oligonucleotides, and chemically derivatized oligonucleotides can also be produced, and can be covalently attached to other molecules. RNA oligonucleotides can be synthesized, for example, using RNA phosphoramidites. This method can be performed on an automated synthesizer, such as Applied Biosystems, Models 392 and 394, Foster City, California, USA.

Phosphorothioate oligonucleotides can also be synthesized for antisense construction. A sulfurizing reagent, such as tetraethylthiruam disulfide (TETD) in acetonitrile can be used to convert the internucleotide cyanoethyl phosphite to the phosphorothioate triester within 15 minutes at room temperature. TETD replaces the iodine reagent, while all other reagents used for standard phosphoramidite chemistry remain the same. Such a synthesis method can be automated using Models 392 and 394 by Applied Biosystems, for example.

Oligonucleotides of up to 200 nt can be synthesized, more typically, 100 nt, more typically 50 nt; even more typically 30 to 40 nt. These synthetic fragments can be annealed and ligated together to construct larger fragments. See, for example, Sambrook *et al., supra.* Trans-cleaving catalytic RNAs (ribozymes) are RNA molecules possessing endoribonuclease activity. Ribozymes are specifically designed for a particular target, and the target message must contain a specific nucleotide sequence. They are engineered to cleave any RNA species site-specifically in the background of cellular RNA. The cleavage event renders the mRNA unstable and prevents protein expression. Importantly, ribozymes can be used to inhibit expression of a gene of unknown function for the purpose of determining its function in an in vitro or in vivo context, by detecting the phenotypic effect. One commonly used ribozyme motif is the hammerhead, for which the substrate sequence requirements are minimal. Design of the hammerhead ribozyme, as well as therapeutic uses of ribozymes, are disclosed in Usman *et al., Current Opin. Struct. Biol.* (1996) *6*:527. Methods for production of ribozymes, including hairpin structure ribozyme fragments, methods of increasing ribozyme specificity, and the like are known in the art.

The hybridizing region of the ribozyme can be modified or can be prepared as a branched structure as described in Horn and Urdea, *Nucleic Acids Res.* (1989) *17*:6959. The basic structure of the ribozymes can also be chemically altered in ways familiar to those skilled in the art, and chemically synthesized ribozymes can be administered as synthetic oligonucleotide derivatives modified by monomeric units. In a therapeutic context, liposome mediated delivery of ribozymes improves cellular uptake, as described in Birikh *et al., Eur. J. Biochem.* (1997) *245*:1.

Antisense nucleic acids are designed to specifically bind to RNA, resulting in the formation of RNA-DNA or RNA-RNA hybrids, with an arrest of DNA replication, reverse transcription or messenger RNA translation. Antisense polynucleotides based on a selected polynucleotide

sequence can interfere with expression of the corresponding gene. Antisense polynucleotides are typically generated within the cell by expression from antisense constructs that contain the antisense strand as the transcribed strand. Antisense polynucleotides based on the disclosed polynucleotides will bind and/or interfere with the translation of mRNA comprising a sequence complementary to the antisense polynucleotide. The expression products of control cells and cells treated with the antisense construct are compared to detect the protein product of the gene corresponding to the polynucleotide upon which the antisense construct is based. The protein is isolated and identified using routine biochemical methods.

Given the extensive background literature and clinical experience in antisense therapy, one skilled in the art can use selected polynucleotides of the invention as additional potential therapeutics. The choice of polynucleotide can be narrowed by first testing them for binding to "hot spot" regions of the genome of cancerous cells. If a polynucleotide is identified as binding to a "hot spot", testing the polynucleotide as an antisense compound in the corresponding cancer cells is warranted.

As an alternative method for identifying function of the gene corresponding to a polynucleotide disclosed herein, dominant negative mutations are readily generated for corresponding proteins that are active as homomultimers. A mutant polypeptide will interact with wild-type polypeptides (made from the other allele) and form a non-functional multimer. Thus, a mutation is in a substrate-binding domain, a catalytic domain, or a cellular localization domain. Preferably, the mutant polypeptide will be overproduced. Point mutations are made that have such an effect. In addition, fusion of different polypeptides of various lengths to the terminus of a protein can yield dominant negative mutants. General strategies are available for making dominant negative mutants (see, *e.g.*, Herskowitz, *Nature* (1987) *329*:219). Such techniques can be used to create loss of function mutations, which are useful for determining protein function.

Polypeptides and Variants Thereof

The polypeptides of the invention include those encoded by the disclosed polynucleotides, as well as nucleic acids that, by virtue of the degeneracy of the genetic code, are not identical in sequence to the disclosed polynucleotides. Thus, the invention includes within its scope a polypeptide encoded by a polynucleotide having the sequence of any one of SEQ ID NOS:1-2707 or a variant thereof.

In general, the term "polypeptide" as used herein refers to both the full length polypeptide encoded by the recited polynucleotide, the polypeptide encoded by the gene represented by the recited polynucleotide, as well as portions or fragments thereof. "Polypeptides" also includes variants of the naturally occurring proteins, where such variants are homologous or substantially similar to the naturally occurring protein, and can be of an origin of the same or different species as

the naturally occurring protein (*e.g.*, human, murine, or some other species that naturally expresses the recited polypeptide, usually a mammalian species). In general, variant polypeptides have a sequence that has at least about 80%, usually at least about 90%, and more usually at least about 98% sequence identity with a differentially expressed polypeptide of the invention, as measured by BLAST 2.0 using the parameters described above. The variant polypeptides can be naturally or non-naturally glycosylated, *i.e.*, the polypeptide has a glycosylation pattern that differs from the glycosylation pattern found in the corresponding naturally occurring protein.

The invention also encompasses homologs of the disclosed polypeptides (or fragments thereof) where the homologs are isolated from other species, *i.e.* other animal or plant species, where such homologs, usually mammalian species, *e.g.* rodents, such as mice, rats; domestic animals, *e.g.*, horse, cow, dog, cat; and humans. By "homolog" is meant a polypeptide having at least about 35%, usually at least about 40% and more usually at least about 60% amino acid sequence identity to a particular differentially expressed protein as identified above, where sequence identity is determined using the BLAST 2.0 algorithm, with the parameters described *supra*.

In general, the polypeptides of the subject invention are provided in a non-naturally occurring environment, *e.g.* are separated from their naturally occurring environment. In certain embodiments, the subject protein is present in a composition that is enriched for the protein as compared to a control. As such, purified polypeptide is provided, where by purified is meant that the protein is present in a composition that is substantially free of non-differentially expressed polypeptides, where by substantially free is meant that less than 90%, usually less than 60% and more usually less than 50% of the composition is made up of non-differentially expressed polypeptides.

Also within the scope of the invention are variants; variants of polypeptides include mutants, fragments, and fusions. Mutants can include amino acid substitutions, additions or deletions. The amino acid substitutions can be conservative amino acid substitutions or substitutions to eliminate non-essential amino acids, such as to alter a glycosylation site, a phosphorylation site or an acetylation site, or to minimize misfolding by substitution or deletion of one or more cysteine residues that are not necessary for function. Conservative amino acid substitutions are those that preserve the general charge, hydrophobicity/ hydrophilicity, and/or steric bulk of the amino acid substituted. Variants can be designed so as to retain or have enhanced biological activity of a particular region of the protein (*e.g.*, a functional domain and/or, where the polypeptide is a member of a protein family, a region associated with a consensus sequence). Selection of amino acid alterations for production of variants can be based upon the accessibility (interior vs. exterior) of the amino acid (see, e.g., Go *et al*, *Int. J. Peptide Protein Res.* (1980) *15*:211), the thermostability of the variant polypeptide (see, e.g., Querol *et al.*, *Prot. Eng.* (1996)

9:265), desired glycosylation sites (see, e.g., Olsen and Thomsen, *J. Gen. Microbiol.* (1991) *137*:579), desired disulfide bridges (see, e.g., Clarke *et al.*, *Biochemistry* (1993) *32*:4322; and Wakarchuk *et al.*, *Protein Eng.* (1994) *7*:1379), desired metal binding sites (see, e.g., Toma *et al.*, *Biochemistry* (1991) *30*:97, and Haezerbrouck *et al.*, *Protein Eng.* (1993) *6*:643), and desired substitutions with in proline loops (see, e.g., Masul *et al.*, *Appl. Env. Microbiol.* (1994) *60*:3579). Cysteine-depleted muteins can be produced as disclosed in USPN 4,959,314.

Variants also include fragments of the polypeptides disclosed herein, particularly biologically active fragments and/or fragments corresponding to functional domains. Fragments of interest will typically be at least about 10 aa to at least about 15 aa in length, usually at least about 50 aa in length, and can be as long as 300 aa in length or longer, but will usually not exceed about 1000 aa in length, where the fragment will have a stretch of amino acids that is identical to a polypeptide encoded by a polynucleotide having a sequence of any SEQ ID NOS:1-2707, or a homolog thereof. The protein variants described herein are encoded by polynucleotides that are within the scope of the invention. The genetic code can be used to select the appropriate codons to construct the corresponding variants.

Computer-Related Embodiments

In general, a library of polynucleotides is a collection of sequence information, which information is provided in either biochemical form (*e.g.*, as a collection of polynucleotide molecules), or in electronic form (*e.g.*, as a collection of polynucleotide sequences stored in a computer-readable form, as in a computer system and/or as part of a computer program). The sequence information of the polynucleotides can be used in a variety of ways, *e.g.*, as a resource for gene discovery, as a representation of sequences expressed in a selected cell type (*e.g.*, cell type markers), and/or as markers of a given disease or disease state. In general, a disease marker is a representation of a gene product that is present in all cells affected by disease either at an increased or decreased level relative to a normal cell (*e.g.*, a cell of the same or similar type that is not substantially affected by disease). For example, a polynucleotide sequence in a library can be a polynucleotide that represents an mRNA, polypeptide, or other gene product encoded by the polynucleotide, that is either overexpressed or underexpressed in a breast ductal cell affected by cancer relative to a normal (*i.e.*, substantially disease-free) breast cell.

The nucleotide sequence information of the library can be embodied in any suitable form, *e.g.*, electronic or biochemical forms. For example, a library of sequence information embodied in electronic form comprises an accessible computer data file (or, in biochemical form, a collection of nucleic acid molecules) that contains the representative nucleotide sequences of genes that are differentially expressed (*e.g.*, overexpressed or underexpressed) as between, for example, i) a cancerous cell and a normal cell; ii) a cancerous cell and a dysplastic cell; iii) a cancerous cell and a

cell affected by a disease or condition other than cancer; iv) a metastatic cancerous cell and a normal cell and/or non-metastatic cancerous cell; v) a malignant cancerous cell and a non-malignant cancerous cell (or a normal cell) and/or vi) a dysplastic cell relative to a normal cell. Other combinations and comparisons of cells affected by various diseases or stages of disease will be readily apparent to the ordinarily skilled artisan. Biochemical embodiments of the library include a collection of nucleic acids that have the sequences of the genes in the library, where the nucleic acids can correspond to the entire gene in the library or to a fragment thereof, as described in greater detail below.

The polynucleotide libraries of the subject invention generally comprise sequence information of a plurality of polynucleotide sequences, where at least one of the polynucleotides has a sequence of any of SEQ ID NOS:1-2707. By plurality is meant at least 2, usually at least 3 and can include up to all of SEQ ID NOS:1-2707. The length and number of polynucleotides in the library will vary with the nature of the library, *e.g.*, if the library is an oligonucleotide array, a cDNA array, a computer database of the sequence information, etc.

Where the library is an electronic library, the nucleic acid sequence information can be present in a variety of media. "Media" refers to a manufacture, other than an isolated nucleic acid molecule, that contains the sequence information of the present invention. Such a manufacture provides the genome sequence or a subset thereof in a form that can be examined by means not directly applicable to the sequence as it exists in a nucleic acid. For example, the nucleotide sequence of the present invention, *e.g.* the nucleic acid sequences of any of the polynucleotides of SEQ ID NOS:1-2707, can be recorded on computer readable media, *e.g.* any medium that can be read and accessed directly by a computer. Such media include, but are not limited to: magnetic storage media, such as a floppy disc, a hard disc storage medium, and a magnetic tape; optical storage media such as CD-ROM; electrical storage media such as RAM and ROM; and hybrids of these categories such as magnetic/optical storage media. One of skill in the art can readily appreciate how any of the presently known computer readable mediums can be used to create a manufacture comprising a recording of the present sequence information. "Recorded" refers to a process for storing information on computer readable medium, using any such methods as known in the art. Any convenient data storage structure can be chosen, based on the means used to access the stored information. A variety of data processor programs and formats can be used for storage, *e.g.* word processing text file, database format, *etc.* In addition to the sequence information, electronic versions of the libraries of the invention can be provided in conjunction or connection with other computer-readable information and/or other types of computer-readable files (*e.g.*, searchable files, executable files, *etc*, including, but not limited to, for example, search program software, *etc.*).

By providing the nucleotide sequence in computer readable form, the information can be accessed for a variety of purposes. Computer software to access sequence information is publicly available. For example, the gapped BLAST (Altschul *et al.Nucleic Acids Res.* (1997) *25*:3389-3402) and BLAZE (Brutlag *et al. Comp. Chem.* (1993) 17:203) search algorithms on a Sybase system can be used to identify open reading frames (ORFs) within the genome that contain homology to ORFs from other organisms.

As used herein, "a computer-based system" refers to the hardware means, software means, and data storage means used to analyze the nucleotide sequence information of the present invention. The minimum hardware of the computer-based systems of the present invention comprises a central processing unit (CPU), input means, output means, and data storage means. A skilled artisan can readily appreciate that any one of the currently available computer-based system are suitable for use in the present invention. The data storage means can comprise any manufacture comprising a recording of the present sequence information as described above, or a memory access means that can access such a manufacture.

"Search means" refers to one or more programs implemented on the computer-based system, to compare a target sequence or target structural motif, or expression levels of a polynucleotide in a sample, with the stored sequence information. Search means can be used to identify fragments or regions of the genome that match a particular target sequence or target motif. A variety of known algorithms are publicly known and commercially available, *e.g.* MacPattern (EMBL), BLASTN and BLASTX (NCBI). A "target sequence" can be any polynucleotide or amino acid sequence of six or more contiguous nucleotides or two or more amino acids, preferably from about 10 to 100 amino acids or from about 30 to 300 nt A variety of comparing means can be used to accomplish comparison of sequence information from a sample (e.g., to analyze target sequences, target motifs, or relative expression levels) with the data storage means. A skilled artisan can readily recognize that any one of the publicly available homology search programs can be used as the search means for the computer based systems of the present invention to accomplish comparison of target sequences and motifs. Computer programs to analyze expression levels in a sample and in controls are also known in the art.

A "target structural motif," or "target motif," refers to any rationally selected sequence or combination of sequences in which the sequence(s) are chosen based on a three-dimensional configuration that is formed upon the folding of the target motif, or on consensus sequences of regulatory or active sites. There are a variety of target motifs known in the art. Protein target motifs include, but arc not limited to, enzyme active sites and signal sequences. Nucleic acid target motifs include, but are not limited to, hairpin structures, promoter sequences and other expression elements such as binding sites for transcription factors.

A variety of structural formats for the input and output means can be used to input and output the information in the computer-based systems of the present invention. One format for an output means ranks the relative expression levels of different polynucleotides. Such presentation provides a skilled artisan with a ranking of relative expression levels to determine a gene expression profile. .

As discussed above, the "library" of the invention also encompasses biochemical libraries of the polynucleotides of SEQ ID NOS:1-2707 , *e.g.*, collections of nucleic acids representing the provided polynucleotides. The biochemical libraries can take a variety of forms, *e.g.*, a solution of cDNAs, a pattern of probe nucleic acids stably associated with a surface of a solid support (*i.e.*, an array) and the like. Of particular interest are nucleic acid arrays in which one or more of SEQ ID NOS:1-2707 is represented on the array. By array is meant a an article of manufacture that has at least a substrate with at least two distinct nucleic acid targets on one of its surfaces, where the number of distinct nucleic acids can be considerably higher, typically being at least 10 nt, usually at least 20 nt and often at least 25 nt. A variety of different array formats have been developed and are known to those of skill in the art. The arrays of the subject invention find use in a variety of applications, including gene expression analysis, drug screening, mutation analysis and the like, as disclosed in the above-listed exemplary patent documents.

In addition to the above nucleic acid libraries, analogous libraries of polypeptides are also provided, where the where the polypeptides of the library will represent at least a portion of the polypeptides encoded by SEQ ID NOS:1-2707.

Utilities

Use of Polynucleotide Probes in Mapping, and in Tissue Profiling

Polynucleotide probes, generally comprising at least 12 contiguous nt of a polynucleotide as shown in the Sequence Listing, are used for a variety of purposes, such as chromosome mapping of the polynucleotide and detection of transcription levels. Additional disclosure about preferred regions of the disclosed polynucleotide sequences is found in the Examples. A probe that hybridizes specifically to a polynucleotide disclosed herein should provide a detection signal at least 5-, 10-, or 20-fold higher than the background hybridization provided with other unrelated sequences.

Detection of Expression Levels. Nucleotide probes are used to detect expression of a gene corresponding to the provided polynucleotide. In Northern blots, mRNA is separated electrophoretically and contacted with a probe. A probe is detected as hybridizing to an mRNA species of a particular size. The amount of hybridization is quantitated to determine relative amounts of expression, for example under a particular condition. Probes are used for in situ hybridization to cells to detect expression. Probes can also be used *in vivo* for diagnostic detection

of hybridizing sequences. Probes are typically labeled with a radioactive isotope. Other types of detectable labels can be used such as chromophores, fluors, and enzymes. Other examples of nucleotide hybridization assays are described in WO92/02526 and USPN 5,124,246.

Alternatively, the Polymerase Chain Reaction (PCR) is another means for detecting small amounts of target nucleic acids (see, *e.g.*, Mullis *et al.*, *Meth. Enzymol.* (1987) *155*:335; USPN 4,683,195; and USPN 4,683,202). Two primer polynucleotides nucleotides that hybridize with the target nucleic acids are used to prime the reaction. The primers can be composed of sequence within or 3' and 5' to the polynucleotides of the Sequence Listing. Alternatively, if the primers are 3' and 5' to these polynucleotides, they need not hybridize to them or the complements. After amplification of the target with a thermostable polymerase, the amplified target nucleic acids can be detected by methods known in the art, e.g., Southern blot. mRNA or cDNA can also be detected by traditional blotting techniques (e.g., Southern blot, Northern blot, etc.) described in Sambrook *et al.*, "Molecular Cloning: A Laboratory Manual" (New York, Cold Spring Harbor Laboratory, 1989) (e.g., without PCR amplification). In general, mRNA or cDNA generated from mRNA using a polymerase enzyme can be purified and separated using gel electrophoresis, and transferred to a solid support, such as nitrocellulose. The solid support is exposed to a labeled probe, washed to remove any unhybridized probe, and duplexes containing the labeled probe are detected.

Mapping. Polynucleotides of the present invention can be used to identify a chromosome on which the corresponding gene resides. Such mapping can be useful in identifying the function of the polynucleotide-related gene by its proximity to other genes with known function. Function can also be assigned to the polynucleotide-related gene when particular syndromes or diseases map to the same chromosome. For example, use of polynucleotide probes in identification and quantification of nucleic acid sequence aberrations is described in USPN 5,783,387. An exemplary mapping method is fluorescence in situ hybridization (FISH), which facilitates comparative genomic hybridization to allow total genome assessment of changes in relative copy number of DNA sequences (see, e.g., Valdes *et al.*, *Methods in Molecular Biology* (1997) *68*:1). Polynucleotides can also be mapped to particular chromosomes using, for example, radiation hybrids or chromosome-specific hybrid panels. See Leach *et al.*, *Advances in Genetics*, (1995) *33*:63-99; Walter *et al.*, *Nature Genetics* (1994) *7*:22; Walter and Goodfellow, *Trends in Genetics* (1992) *9*:352. Panels for radiation hybrid mapping are available from Research Genetics, Inc., Huntsville, Alabama, USA. Databases for markers using various panels are available via the world wide web at http:/F/shgc-www.stanford.edu; and http://www-genome.wi.mit.edu/cgi-bin/contig/rhmapper.pl. The statistical program RHMAP can be used to construct a map based on the data from radiation hybridization with a measure of the relative likelihood of one order versus another. RHMAP is available via the world wide web at http://www.sph.umich.edu/group/statgen/software. In addition,

commercial programs are available for identifying regions of chromosomes commonly associated with disease, such as cancer.

Tissue Typing or Profiling. Expression of specific mRNA corresponding to the provided polynucleotides can vary in different cell types and can be tissue-specific. This variation of mRNA levels in different cell types can be exploited with nucleic acid probe assays to determine tissue types. For example, PCR, branched DNA probe assays, or blotting techniques utilizing nucleic acid probes substantially identical or complementary to polynucleotides listed in the Sequence Listing can determine the presence or absence of the corresponding cDNA or mRNA.

Tissue typing can be used to identify the developmental organ or tissue source of a metastatic lesion by identifying the expression of a particular marker of that organ or tissue. If a polynucleotide is expressed only in a specific tissue type, and a metastatic lesion is found to express that polynucleotide, then the developmental source of the lesion has been identified. Expression of a particular polynucleotide can be assayed by detection of either the corresponding mRNA or the protein product. As would be readily apparent to any forensic scientist, the sequences disclosed herein are useful in differentiating human tissue from non-human tissue. In particular, these sequences are useful to differentiate human tissue from bird, reptile, and amphibian tissue, for example.

Use of Polymorphisms. A polynucleotide of the invention can be used in forensics, genetic analysis, mapping, and diagnostic applications where the corresponding region of a gene is polymorphic in the human population. Any means for detecting a polymorphism in a gene can be used, including, but not limited to electrophoresis of protein polymorphic variants, differential sensitivity to restriction enzyme cleavage, and hybridization to allele-specific probes.

Antibody Production

Expression products of a polynucleotide of the invention, as well as the corresponding mRNA, cDNA, or complete gene, can be prepared and used for raising antibodies for experimental, diagnostic, and therapeutic purposes. For polynucleotides to which a corresponding gene has not been assigned, this provides an additional method of identifying the corresponding gene. The polynucleotide or related cDNA is expressed as described above, and antibodies are prepared. These antibodies are specific to an epitope on the polypeptide encoded by the polynucleotide, and can precipitate or bind to the corresponding native protein in a cell or tissue preparation or in a cell-free extract of an in vitro expression system.

Methods for production of antibodies that specifically bind a selected antigen are well known in the art. Immunogens for raising antibodies can be prepared by mixing a polypeptide encoded by a polynucleotide of the invention with an adjuvant, and/or by making fusion proteins with larger immunogenic proteins. Polypeptides can also be covalently linked to other larger

immunogenic proteins, such as keyhole limpet hemocyanin. Immunogens are typically administered intradermally, subcutaneously, or intramuscularly to experimental animals such as rabbits, sheep, and mice, to generate antibodies. Monoclonal antibodies can be Monoclonal antibodies can be generated by isolating spleen cells and fusing myeloma cells to form hybridomas. Alternatively, the selected polynucleotide is administered directly, such as by intramuscular injection, and expressed in vivo. The expressed protein generates a variety of protein-specific immune responses, including production of antibodies, comparable to administration of the protein.

Preparations of polyclonal and monoclonal antibodies specific for polypeptides encoded by a selected polynucleotide are made using standard methods known in the art. The antibodies specifically bind to epitopes present in the polypeptides encoded by polynucleotides disclosed in the Sequence Listing. Typically, at least 6, 8, 10, or 12 contiguous amino acids are required to form an epitope. Epitopes that involve non-contiguous amino acids may require a longer polypeptide, e.g., at least 15, 25, or 50 amino acids. Antibodies that specifically bind to human polypeptides encoded by the provided polypeptides should provide a detection signal at least 5-, 10-, or 20-fold higher than a detection signal provided with other proteins when used in Western blots or other immunochemical assays. Preferably, antibodies that specifically polypeptides of the invention do not bind to other proteins in immunochemical assays at detectable levels and can immunoprecipitate the specific polypeptide from solution.

The invention also contemplates naturally occurring antibodies specific for a polypeptide of the invention. For example, serum antibodies to a polypeptide of the invention in a human population can be purified by methods well known in the art, e.g., by passing antiserum over a column to which the corresponding selected polypeptide or fusion protein is bound. The bound antibodies can then be eluted from the column, for example using a buffer with a high salt concentration.

In addition to the antibodies discussed above, the invention also contemplates genetically engineered antibodies, antibody derivatives (e.g., single chain antibodies, antibody fragments (e.g., Fab, etc.)), according to methods well known in the art.

Polynucleotides or Arrays for Diagnostics

Polynucleotide arrays provide a high throughput technique that can assay a large number of polynucleotide sequences in a sample. This technology can be used as a diagnostic and as a tool to test for differential expression, e.g., to determine function of an encoded protein. Arrays can be created by spotting polynucleotide probes onto a substrate (*e.g.*, glass, nitrocelllose, *etc.*) in a two-dimensional matrix or array having bound probes. The probes can be bound to the substrate by either covalent bonds or by non-specific interactions, such as hydrophobic interactions. Samples of polynucleotides can be detectably labeled (*e.g.*, using radioactive or fluorescent labels) and then

hybridized to the probes. Double stranded polynucleotides, comprising the labeled sample polynucleotides bound to probe polynucleotides, can be detected once the unbound portion of the sample is washed away. Techniques for constructing arrays and methods of using these arrays are described in EP 799 897; WO 97/29212; WO 97/27317; EP 785 280; WO 97/02357; USPN 5,593,839; USPN 5,578,832; EP 728 520; USPN 5,599,695; EP 721 016; USPN 5,556,752; WO 95/22058; and USPN 5,631,734. Arrays can be used to, for example, examine differential expression of genes and can be used to determine gene function. For example, arrays can be used to detect differential expression of a polynucleotide between a test cell and control cell (*e.g.*, cancer cells and normal cells). For example, high expression of a particular message in a cancer cell, which is not observed in a corresponding normal cell, can indicate a cancer specific gene product. Exemplary uses of arrays are further described in, for example, Pappalarado *et al.*, *Sem. Radiation Oncol.* (1998) *8*:217; and Ramsay *Nature Biotechnol.* (1998) *16*:40.

Differential Expression in Diagnosis

The polynucleotides of the invention can also be used to detect differences in expression levels between two cells, *e.g.*, as a method to identify abnormal or diseased tissue in a human. For polynucleotides corresponding to profiles of protein families, the choice of tissue can be selected according to the putative biological function. In general, the expression of a gene corresponding to a specific polynucleotide is compared between a first tissue that is suspected of being diseased and a second, normal tissue of the human. The tissue suspected of being abnormal or diseased can be derived from a different tissue type of the human, but preferably it is derived from the same tissue type; for example an intestinal polyp or other abnormal growth should be compared with normal intestinal tissue. The normal tissue can be the same tissue as that of the test sample, or any normal tissue of the patient, especially those that express the polynucleotide-related gene of interest (*e.g.*, brain, thymus, testis, heart, prostate, placenta, spleen, small intestine, skeletal muscle, pancreas, and the mucosal lining of the colon). A difference between the polynucleotide-related gene, mRNA, or protein in the two tissues which are compared, for example in molecular weight, amino acid or nucleotide sequence, or relative abundance, indicates a change in the gene, or a gene which regulates it, in the tissue of the human that was suspected of being diseased. Examples of detection of differential expression and its use in diagnosis of cancer are described in USPNs 5,688,641 and 5,677,125.

A genetic predisposition to disease in a human can also be detected by comparing expression levels of an mRNA or protein corresponding to a polynucleotide of the invention in a fetal tissue with levels associated in normal fetal tissue. Fetal tissues that are used for this purpose include, but are not limited to, amniotic fluid, chorionic villi, blood, and the blastomere of an in vitro-fertilized embryo. The comparable normal polynucleotide-related gene is obtained from any

tissue. The mRNA or protein is obtained from a normal tissue of a human in which the polynucleotide-related gene is expressed. Differences such as alterations in the nucleotide sequence or size of the same product of the fetal polynucleotide-related gene or mRNA, or alterations in the molecular weight, amino acid sequence, or relative abundance of fetal protein, can indicate a germline mutation in the polynucleotide-related gene of the fetus, which indicates a genetic predisposition to disease. In general, diagnostic, prognostic, and other methods of the invention based on differential expression involve detection of a level or amount of a gene product, particularly a differentially expressed gene product, in a test sample obtained from a patient suspected of having or being susceptible to a disease (*e.g.,* breast cancer, lung cancer, colon cancer and/or metastatic forms thereof), and comparing the detected levels to those levels found in normal cells (*e.g.,* cells substantially unaffected by cancer) and/or other control cells (*e.g.*, to differentiate a cancerous cell from a cell affected by dysplasia). Furthermore, the severity of the disease can be assessed by comparing the detected levels of a differentially expressed gene product with those levels detected in samples representing the levels of differentially gene product associated with varying degrees of severity of disease. It should be noted that use of the term "diagnostic" herein is not necessarily meant to exclude "prognostic" or "prognosis," but rather is used as a matter of convenience.

The term "differentially expressed gene" is generally intended to encompass a polynucleotide that can, for example, include an open reading frame encoding a gene product (*e.g.*, a polypeptide), and/or introns of such genes and adjacent 5' and 3' non-coding nucleotide sequences involved in the regulation of expression, up to about 20 kb beyond the coding region, but possibly further in either direction. The gene can be introduced into an appropriate vector for extrachromosomal maintenance or for integration into a host genome. In general, a difference in expression level associated with a decrease in expression level of at least about 25%, usually at least about 50% to 75%, more usually at least about 90% or more is indicative of a differentially expressed gene of interest, *i.e.*, a gene that is underexpressed or down-regulated in the test sample relative to a control sample. Furthermore, a difference in expression level associated with an increase in expression of at least about 25%, usually at least about 50% to 75%, more usually at least about 90% and can be at least about 1 ½-fold, usually at least about 2-fold to about 10-fold, and can be about 100-fold to about 1,000-fold increase relative to a control sample is indicative of a differentially expressed gene of interest, *i.e.*, an overexpressed or up-regulated gene.

"Differentially expressed polynucleotide" as used herein means a nucleic acid molecule (RNA or DNA) comprising a sequence that represents a differentially expressed gene, *e.g.*, the differentially expressed polynucleotide comprises a sequence (*e.g.*, an open reading frame encoding a gene product) that uniquely identifies a differentially expressed gene so that detection of the

differentially expressed polynucleotide in a sample is correlated with the presence of a differentially expressed gene in a sample. "Differentially expressed polynucleotides" is also meant to encompass fragments of the disclosed polynucleotides, *e.g.*, fragments retaining biological activity, as well as nucleic acids homologous, substantially similar, or substantially identical (*e.g.*, having about 90% sequence identity) to the disclosed polynucleotides.

"Diagnosis" as used herein generally includes determination of a subject's susceptibility to a disease or disorder, determination as to whether a subject is presently affected by a disease or disorder, as well as to the prognosis of a subject affected by a disease or disorder (*e.g.*, identification of pre-metastatic or metastatic cancerous states, stages of cancer, or responsiveness of cancer to therapy). The present invention particularly encompasses diagnosis of subjects in the context of breast cancer (*e.g.*, carcinoma in situ (*e.g.*, ductal carcinoma in situ), estrogen receptor (ER)-positive breast cancer, ER-negative breast cancer, or other forms and/or stages of breast cancer), lung cancer (*e.g.*, small cell carcinoma, non-small cell carcinoma, mesothelioma, and other forms and/or stages of lung cancer), and colon cancer (*e.g.*, adenomatous polyp, colorectal carcinoma, and other forms and/or stages of colon cancer).

"Sample" or "biological sample" as used throughout here are generally meant to refer to samples of biological fluids or tissues, particularly samples obtained from tissues, especially from cells of the type associated with the disease for which the diagnostic application is designed (*e.g.*, ductal adenocarcinoma), and the like. "Samples" is also meant to encompass derivatives and fractions of such samples (*e.g.*, cell lysates). Where the sample is solid tissue, the cells of the tissue can be dissociated or tissue sections can be analyzed.

Methods of the subject invention useful in diagnosis or prognosis typically involve comparison of the abundance of a selected differentially expressed gene product in a sample of interest with that of a control to determine any relative differences in the expression of the gene product, where the difference can be measured qualitatively and/or quantitatively. Quantitation can be accomplished, for example, by comparing the level of expression product detected in the sample with the amounts of product present in a standard curve. A comparison can be made visually; by using a technique such as densitometry, with or without computerized assistance; by preparing a representative library of cDNA clones of mRNA isolated from a test sample, sequencing the clones in the library to determine that number of cDNA clones corresponding to the same gene product, and analyzing the number of clones corresponding to that same gene product relative to the number of clones of the same gene product in a control sample; or by using an array to detect relative levels of hybridization to a selected sequence or set of sequences, and comparing the hybridization pattern to that of a control. The differences in expression are then correlated with the presence or absence of an abnormal expression pattern. A variety of different methods for determining the nucleic acid

abundance in a sample are known to those of skill in the art (see, e.g., WO 97/27317). In general, diagnostic assays of the invention involve detection of a gene product of a the polynucleotide sequence (*e.g.*, mRNA or polypeptide) that corresponds to a sequence of SEQ ID NOS:1-2707 . The patient from whom the sample is obtained can be apparently healthy, susceptible to disease (*e.g.*, as determined by family history or exposure to certain environmental factors), or can already be identified as having a condition in which altered expression of a gene product of the invention is implicated.

Diagnosis can be determined based on detected gene product expression levels of a gene product encoded by at least one, preferably at least two or more, at least 3 or more, or at least 4 or more of the polynucleotides having a sequence set forth in SEQ ID NOS:1-2707 , and can involve detection of expression of genes corresponding to all of SEQ ID NOS:1-2707and/or additional sequences that can serve as additional diagnostic markers and/or reference sequences. Where the diagnostic method is designed to detect the presence or susceptibility of a patient to cancer, the assay preferably involves detection of a gene product encoded by a gene corresponding to a polynucleotide that is differentially expressed in cancer. Examples of such differentially expressed polynucleotides are described in the Examples below. Given the provided polynucleotides and information regarding their relative expression levels provided herein, assays using such polynucleotides and detection of their expression levels in diagnosis and prognosis will be readily apparent to the ordinarily skilled artisan.

Any of a variety of detectable labels can be used in connection with the various embodiments of the diagnostic methods of the invention. Suitable detectable labels include fluorochromes,(*e.g.* fluorescein isothiocyanate (FITC), rhodamine, Texas Red, phycoerythrin, allophycocyanin, 6-carboxyfluorescein (6-FAM), 2',7'-dimethoxy-4',5'-dichloro-6-carboxyfluorescein, 6-carboxy-X-rhodamine (ROX), 6-carboxy-2',4',7',4,7-hexachlorofluorescein (HEX), 5-carboxyfluorescein (5-FAM) or N,N,N',N'-tetramethyl-6-carboxyrhodamine (TAMRA)), radioactive labels, (*e.g.* ^{32}P, ^{35}S, ^{3}H, *etc.*), and the like. The detectable label can involve a two stage systems (*e.g.*, biotin-avidin, hapten-anti-hapten antibody, *etc.*)

Reagents specific for the polynucleotides and polypeptides of the invention, such as antibodies and nucleotide probes, can be supplied in a kit for detecting the presence of an expression product in a biological sample. The kit can also contain buffers or labeling components, as well as instructions for using the reagents to detect and quantify expression products in the biological sample. Exemplary embodiments of the diagnostic methods of the invention are described below in more detail.

Polypeptide detection in diagnosis. In one embodiment, the test sample is assayed for the level of a differentially expressed polypeptide. Diagnosis can be accomplished using any of a

number of methods to determine the absence or presence or altered amounts of the differentially expressed polypeptide in the test sample. For example, detection can utilize staining of cells or histological sections with labeled antibodies, performed in accordance with conventional methods. Cells can be permeabilized to stain cytoplasmic molecules. In general, antibodies that specifically bind a differentially expressed polypeptide of the invention are added to a sample, and incubated for a period of time sufficient to allow binding to the epitope, usually at least about 10 minutes. The antibody can be detectably labeled for direct detection (*e.g.*, using radioisotopes, enzymes, fluorescers, chemiluminescers, and the like), or can be used in conjunction with a second stage antibody or reagent to detect binding (*e.g.*, biotin with horseradish peroxidase-conjugated avidin, a secondary antibody conjugated to a fluorescent compound, *e.g.* fluorescein, rhodamine, Texas red, *etc.*). The absence or presence of antibody binding can be determined by various methods, including flow cytometry of dissociated cells, microscopy, radiography, scintillation counting, *etc.* Any suitable alternative methods can of qualitative or quantitative detection of levels or amounts of differentially expressed polypeptide can be used, for example ELISA, western blot, immunoprecipitation, radioimmunoassay, etc.

mRNA detection. The diagnostic methods of the invention can also or alternatively involve detection of mRNA encoded by a gene corresponding to a differentially expressed polynucleotides of the invention. Any suitable qualitative or quantitative methods known in the art for detecting specific mRNAs can be used. mRNA can be detected by, for example, *in situ* hybridization in tissue sections, by reverse transcriptase-PCR, or in Northern blots containing poly A+ mRNA. One of skill in the art can readily use these methods to determine differences in the size or amount of mRNA transcripts between two samples. mRNA expression levels in a sample can also be determined by generation of a library of expressed sequence tags (ESTs) from the sample, where the EST library is representative of sequences present in the sample (Adams, et al., (1991) *Science* 252:1651). Enumeration of the relative representation of ESTs within the library can be used to approximate the relative representation of the gene transcript within the starting sample. The results of EST analysis of a test sample can then be compared to EST analysis of a reference sample to determine the relative expression levels of a selected polynucleotide, particularly a polynucleotide corresponding to one or more of the differentially expressed genes described herein. Alternatively, gene expression in a test sample can be performed using serial analysis of gene expression (SAGE) methodology (e.g., Velculescu et al., *Science* (1995) *270*:484) or differential display (DD) methodology (see, *e.g.*, U.S. 5,776,683; and U.S. 5,807,680).

Alternatively, gene expression can be analyzed using hybridization analysis. Oligonucleotides or cDNA can be used to selectively identify or capture DNA or RNA of specific sequence composition, and the amount of RNA or cDNA hybridized to a known capture sequence

determined qualitatively or quantitatively, to provide information about the relative representation of a particular message within the pool of cellular messages in a sample. Hybridization analysis can be designed to allow for concurrent screening of the relative expression of hundreds to thousands of genes by using, for example, array-based technologies having high density formats, including filters, microscope slides, or microchips, or solution-based technologies that use spectroscopic analysis (*e.g.*, mass spectrometry). One exemplary use of arrays in the diagnostic methods of the invention is described below in more detail.

Use of a single gene in diagnostic applications. The diagnostic methods of the invention can focus on the expression of a single differentially expressed gene. For example, the diagnostic method can involve detecting a differentially expressed gene, or a polymorphism of such a gene (*e.g.*, a polymorphism in an coding region or control region), that is associated with disease. Disease-associated polymorphisms can include deletion or truncation of the gene, mutations that alter expression level and/or affect activity of the encoded protein, *etc.*

A number of methods are available for analyzing nucleic acids for the presence of a specific sequence, *e.g.* a disease associated polymorphism. Where large amounts of DNA are available, genomic DNA is used directly. Alternatively, the region of interest is cloned into a suitable vector and grown in sufficient quantity for analysis. Cells that express a differentially expressed gene can be used as a source of mRNA, which can be assayed directly or reverse transcribed into cDNA for analysis. The nucleic acid can be amplified by conventional techniques, such as the polymerase chain reaction (PCR), to provide sufficient amounts for analysis, and a detectable label can be included in the amplification reaction (*e.g.*, using a detectably labeled primer or detectably labeled oligonucleotides) to facilitate detection. Alternatively, various methods are also known in the art that utilize oligonucleotide ligation as a means of detecting polymorphisms, see e.g., Riley *et al.*, *Nucl. Acids Res.* (1990) *18*:2887; and Delahunty *et al.*, *Am. J. Hum. Genet.* (1996) *58*:1239.

The amplified or cloned sample nucleic acid can be analyzed by one of a number of methods known in the art. The nucleic acid can be sequenced by dideoxy or other methods, and the sequence of bases compared to a selected sequence, *e.g.*, to a wild-type sequence. Hybridization with the polymorphic or variant sequence can also be used to determine its presence in a sample (*e.g.*, by Southern blot, dot blot, *etc.)*. The hybridization pattern of a polymorphic or variant sequence and a control sequence to an array of oligonucleotide probes immobilized on a solid support, as described in US 5,445,934, or in WO 95/35505, can also be used as a means of identifying polymorphic or variant sequences associated with disease. Single strand conformational polymorphism (SSCP) analysis, denaturing gradient gel electrophoresis (DGGE), and heteroduplex analysis in gel matrices are used to detect conformational changes created by DNA sequence variation as alterations in electrophoretic mobility. Alternatively, where a polymorphism creates or

destroys a recognition site for a restriction endonuclease, the sample is digested with that endonuclease, and the products size fractionated to determine whether the fragment was digested. Fractionation is performed by gel or capillary electrophoresis, particularly acrylamide or agarose gels.

Screening for mutations in a gene can be based on the functional or antigenic characteristics of the protein. Protein truncation assays are useful in detecting deletions that can affect the biological activity of the protein. Various immunoassays designed to detect polymorphisms in proteins can be used in screening. Where many diverse genetic mutations lead to a particular disease phenotype, functional protein assays have proven to be effective screening tools. The activity of the encoded protein can be determined by comparison with the wild-type protein.

Pattern matching in diagnosis using arrays. In another embodiment, the diagnostic and/or prognostic methods of the invention involve detection of expression of a selected set of genes in a test sample to produce a test expression pattern (TEP). The TEP is compared to a reference expression pattern (REP), which is generated by detection of expression of the selected set of genes in a reference sample (*e.g.*, a positive or negative control sample). The selected set of genes includes at least one of the genes of the invention, which genes correspond to the polynucleotide sequences of SEQ ID NOS:1-2707 . Of particular interest is a selected set of genes that includes gene differentially expressed in the disease for which the test sample is to be screened.

"Reference sequences" or "reference polynucleotides" as used herein in the context of differential gene expression analysis and diagnosis/prognosis refers to a selected set of polynucleotides, which selected set includes at least one or more of the differentially expressed polynucleotides described herein. A plurality of reference sequences, preferably comprising positive and negative control sequences, can be included as reference sequences. Additional suitable reference sequences are found in GenBank, Unigene, and other nucleotide sequence databases (including, *e.g.*, expressed sequence tag (EST), partial, and full-length sequences).

"Reference array" means an array having reference sequences for use in hybridization with a sample, where the reference sequences include all, at least one of, or any subset of the differentially expressed polynucleotides described herein. Usually such an array will include at least 3 different reference sequences, and can include any one or all of the provided differentially expressed sequences. Arrays of interest can further comprise sequences, including polymorphisms, of other genetic sequences, particularly other sequences of interest for screening for a disease or disorder (*e.g.*, cancer, dysplasia, or other related or unrelated diseases, disorders, or conditions). The oligonucleotide sequence on the array will usually be at least about 12 nt in length, and can be of about the length of the provided sequences, or can extend into the flanking regions to generate fragments of 100 nt to 200 nt in length or more. Reference arrays can be produced according to any

suitable methods known in the art. For example, methods of producing large arrays of oligonucleotides are described in U.S. 5,134,854, and U.S. 5,445,934 using light-directed synthesis techniques. Using a computer controlled system, a heterogeneous array of monomers is converted, through simultaneous coupling at a number of reaction sites, into a heterogeneous array of polymers. Alternatively, microarrays are generated by deposition of pre-synthesized oligonucleotides onto a solid substrate, for example as described in PCT published application no. WO 95/35505.

A "reference expression pattern" or "REP" as used herein refers to the relative levels of expression of a selected set of genes, particularly of differentially expressed genes, that is associated with a selected cell type, *e.g.*, a normal cell, a cancerous cell, a cell exposed to an environmental stimulus, and the like. A "test expression pattern" or "TEP" refers to relative levels of expression of a selected set of genes, particularly of differentially expressed genes, in a test sample (*e.g.*, a cell of unknown or suspected disease state, from which mRNA is isolated).

REPs can be generated in a variety of ways according to methods well known in the art. For example, REPs can be generated by hybridizing a control sample to an array having a selected set of polynucleotides (particularly a selected set of differentially expressed polynucleotides), acquiring the hybridization data from the array, and storing the data in a format that allows for ready comparison of the REP with a TEP. Alternatively, all expressed sequences in a control sample can be isolated and sequenced, *e.g.*, by isolating mRNA from a control sample, converting the mRNA into cDNA, and sequencing the cDNA. The resulting sequence information roughly or precisely reflects the identity and relative number of expressed sequences in the sample. The sequence information can then be stored in a format (*e.g.*, a computer-readable format) that allows for ready comparison of the REP with a TEP. The REP can be normalized prior to or after data storage, and/or can be processed to selectively remove sequences of expressed genes that are of less interest or that might complicate analysis (*e.g.*, some or all of the sequences associated with housekeeping genes can be eliminated from REP data).

TEPs can be generated in a manner similar to REPs, *e.g.*, by hybridizing a test sample to an array having a selected set of polynucleotides, particularly a selected set of differentially expressed polynucleotides, acquiring the hybridization data from the array, and storing the data in a format that allows for ready comparison of the TEP with a REP. The REP and TEP to be used in a comparison can be generated simultaneously, or the TEP can be compared to previously generated and stored REPs.

In one embodiment of the invention, comparison of a TEP with a REP involves hybridizing a test sample with a reference array, where the reference array has one or more reference sequences for use in hybridization with a sample. The reference sequences include all, at least one of, or any

subset of the differentially expressed polynucleotides described herein. Hybridization data for the test sample is acquired, the data normalized, and the produced TEP compared with a REP generated using an array having the same or similar selected set of differentially expressed polynucleotides. Probes that correspond to sequences differentially expressed between the two samples will show decreased or increased hybridization efficiency for one of the samples relative to the other.

Methods for collection of data from hybridization of samples with a reference arrays are well known in the art. For example, the polynucleotides of the reference and test samples can be generated using a detectable fluorescent label, and hybridization of the polynucleotides in the samples detected by scanning the microarrays for the presence of the detectable label using, for example, a microscope and light source for directing light at a substrate. A photon counter detects fluorescence from the substrate, while an x-y translation stage varies the location of the substrate. A confocal detection device that can be used in the subject methods is described in USPN 5,631,734. A scanning laser microscope is described in Shalon et al., *Genome Res.* (1996) *6*:639. A scan, using the appropriate excitation line, is performed for each fluorophore used. The digital images generated from the scan are then combined for subsequent analysis. For any particular array element, the ratio of the fluorescent signal from one sample (*e.g.*, a test sample) is compared to the fluorescent signal from another sample (*e.g.*, a reference sample), and the relative signal intensity determined.

Methods for analyzing the data collected from hybridization to arrays are well known in the art. For example, where detection of hybridization involves a fluorescent label, data analysis can include the steps of determining fluorescent intensity as a function of substrate position from the data collected, removing outliers, *i.e.* data deviating from a predetermined statistical distribution, and calculating the relative binding affinity of the targets from the remaining data. The resulting data can be displayed as an image with the intensity in each region varying according to the binding affinity between targets and probes.

In general, the test sample is classified as having a gene expression profile corresponding to that associated with a disease or non-disease state by comparing the TEP generated from the test sample to one or more REPs generated from reference samples (*e.g.*, from samples associated with cancer or specific stages of cancer, dysplasia, samples affected by a disease other than cancer, normal samples, *etc.*). The criteria for a match or a substantial match between a TEP and a REP include expression of the same or substantially the same set of reference genes, as well as expression of these reference genes at substantially the same levels (*e.g.*, no significant difference between the samples for a signal associated with a selected reference sequence after normalization of the samples, or at least no greater than about 25% to about 40% difference in signal strength for a given reference sequence. In general, a pattern match between a TEP and a REP includes a match in

expression, preferably a match in qualitative or quantitative expression level, of at least one of, all or any subset of the differentially expressed genes of the invention.

Pattern matching can be performed manually, or can be performed using a computer program. Methods for preparation of substrate matrices (*e.g.*, arrays), design of oligonucleotides for use with such matrices, labeling of probes, hybridization conditions, scanning of hybridized matrices, and analysis of patterns generated, including comparison analysis, are described in, for example, U.S. 5,800,992.

Diagnosis, Prognosis and Management of Cancer

The polynucleotides of the invention and their gene products are of particular interest as genetic or biochemical markers (e.g., in blood or tissues) that will detect the earliest changes along the carcinogenesis pathway and/or to monitor the efficacy of various therapies and preventive interventions. For example, the level of expression of certain polynucleotides can be indicative of a poorer prognosis, and therefore warrant more aggressive chemo- or radio-therapy for a patient or vice versa. The correlation of novel surrogate tumor specific features with response to treatment and outcome in patients can define prognostic indicators that allow the design of tailored therapy based on the molecular profile of the tumor. These therapies include antibody targeting and gene therapy. Determining expression of certain polynucleotides and comparison of a patients profile with known expression in normal tissue and variants of the disease allows a determination of the best possible treatment for a patient, both in terms of specificity of treatment and in terms of comfort level of the patient. Surrogate tumor markers, such as polynucleotide expression, can also be used to better classify, and thus diagnose and treat, different forms and disease states of cancer. Two classifications widely used in oncology that can benefit from identification of the expression levels of the polynucleotides of the invention are staging of the cancerous disorder, and grading the nature of the cancerous tissue.

The polynucleotides of the invention can be useful to monitor patients having or susceptible to cancer to detect potentially malignant events at a molecular level before they are detectable at a gross morphological level. Furthermore, a polynucleotide of the invention identified as important for one type of cancer can also have implications for development or risk of development of other types of cancer, e.g., where a polynucleotide is differentially expressed across various cancer types. Thus, for example, expression of a polynucleotide that has clinical implications for metastatic colon cancer can also have clinical implications for stomach cancer or endometrial cancer.

Staging. Staging is a process used by physicians to describe how advanced the cancerous state is in a patient. Staging assists the physician in determining a prognosis, planning treatment and evaluating the results of such treatment. Staging systems vary with the types of cancer, but generally involve the following "TNM" system: the type of tumor, indicated by T; whether the cancer has

metastasized to nearby lymph nodes, indicated by N; and whether the cancer has metastasized to more distant parts of the body, indicated by M. Generally, if a cancer is only detectable in the area of the primary lesion without having spread to any lymph nodes it is called Stage I. If it has spread only to the closest lymph nodes, it is called Stage II. In Stage III, the cancer has generally spread to the lymph nodes in near proximity to the site of the primary lesion. Cancers that have spread to a distant part of the body, such as the liver, bone, brain or other site, are Stage IV, the most advanced stage.

The polynucleotides of the invention can facilitate fine-tuning of the staging process by identifying markers for the aggresivity of a cancer, *e.g.* the metastatic potential, as well as the presence in different areas of the body. Thus, a Stage II cancer with a polynucleotide signifying a high metastatic potential cancer can be used to change a borderline Stage II tumor to a Stage III tumor, justifying more aggressive therapy. Conversely, the presence of a polynucleotide signifying a lower metastatic potential allows more conservative staging of a tumor.

Grading of cancers. Grade is a term used to describe how closely a tumor resembles normal tissue of its same type. The microscopic appearance of a tumor is used to identify tumor grade based on parameters such as cell morphology, cellular organization, and other markers of differentiation. As a general rule, the grade of a tumor corresponds to its rate of growth or aggressiveness, with undifferentiated or high-grade tumors being more aggressive than well differentiated or low-grade tumors. The following guidelines are generally used for grading tumors: 1) GX Grade cannot be assessed; 2) G1 Well differentiated; G2 Moderately well differentiated; 3) G3 Poorly differentiated; 4) G4 Undifferentiated. The polynucleotides of the invention can be especially valuable in determining the grade of the tumor, as they not only can aid in determining the differentiation status of the cells of a tumor, they can also identify factors other than differentiation that are valuable in determining the aggressiveness of a tumor, such as metastatic potential.

Detection of lung cancer. The polynucleotides of the invention can be used to detect lung cancer in a subject. Although there are more than a dozen different kinds of lung cancer, the two main types of lung cancer are small cell and nonsmall cell, which encompass about 90% of all lung cancer cases. Small cell carcinoma (also called oat cell carcinoma) usually starts in one of the larger bronchial tubes, grows fairly rapidly, and is likely to be large by the time of diagnosis. Nonsmall cell lung cancer (NSCLC) is made up of three general subtypes of lung cancer. Epidermoid carcinoma (also called squamous cell carcinoma) usually starts in one of the larger bronchial tubes and grows relatively slowly. The size of these tumors can range from very small to quite large. Adenocarcinoma starts growing near the outside surface of the lung and can vary in both size and growth rate. Some slowly growing adenocarcinomas are described as alveolar cell cancer. Large cell carcinoma starts near the surface of the lung, grows rapidly, and the growth is usually fairly

large when diagnosed. Other less common forms of lung cancer are carcinoid, cylindroma, mucoepidermoid, and malignant mesothelioma.

The polynucleotides of the invention, e.g., polynucleotides differentially expressed in normal cells versus cancerous lung cells (e.g., tumor cells of high or low metastatic potential) or between types of cancerous lung cells (e.g., high metastatic versus low metastatic), can be used to distinguish types of lung cancer as well as identifying traits specific to a certain patient's cancer and selecting an appropriate therapy. For example, if the patient's biopsy expresses a polynucleotide that is associated with a low metastatic potential, it may justify leaving a larger portion of the patient's lung in surgery to remove the lesion. Alternatively, a smaller lesion with expression of a polynucleotide that is associated with high metastatic potential may justify a more radical removal of lung tissue and/or the surrounding lymph nodes, even if no metastasis can be identified through pathological examination.

Detection of breast cancer. The majority of breast cancers are adenocarcinomas subtypes, which can be summarized as follows: 1) ductal carcinoma in situ (DCIS), including comedocarcinoma; 2) infiltrating (or invasive) ductal carcinoma (IDC); 3) lobular carcinoma in situ (LCIS); 4) infiltrating (or invasive) lobular carcinoma (ILC); 5) inflammatory breast cancer; 6) medullary carcinoma; 7) mucinous carcinoma; 8) Paget's disease of the nipple; 9) Phyllodes tumor; and 10) tubular carcinoma;

The expression of polynucleotides of the invention can be used in the diagnosis and management of breast cancer, as well as to distinguish between types of breast cancer. Detection of breast cancer can be determined using expression levels of any of the appropriate polynucleotides of the invention, either alone or in combination. Determination of the aggressive nature and/or the metastatic potential of a breast cancer can also be determined by comparing levels of one or more polynucleotides of the invention and comparing levels of another sequence known to vary in cancerous tissue, *e.g.* ER expression. In addition, development of breast cancer can be detected by examining the ratio of expression of a differentially expressed polynucleotide to the levels of steroid hormones (*e.g.*, testosterone or estrogen) or to other hormones (*e.g.*, growth hormone, insulin). Thus expression of specific marker polynucleotides can be used to discriminate between normal and cancerous breast tissue, to discriminate between breast cancers with different cells of origin, to discriminate between breast cancers with different potential metastatic rates, etc.

Detection of colon cancer. The polynucleotides of the invention exhibiting the appropriate expression pattern can be used to detect colon cancer in a subject. Colorectal cancer is one of the most common neoplasms in humans and perhaps the most frequent form of hereditary neoplasia. Prevention and early detection are key factors in controlling and curing colorectal cancer. Colorectal cancer begins as polyps, which are small, benign growths of cells that form on the inner

lining of the colon. Over a period of several years, some of these polyps accumulate additional mutations and become cancerous. Multiple familial colorectal cancer disorders have been identified, which are summarized as follows: 1) Familial adenomatous polyposis (FAP); 2) Gardner's syndrome; 3) Hereditary nonpolyposis colon cancer (HNPCC); and 4) Familial colorectal cancer in Ashkenazi Jews. The expression of appropriate polynucleotides of the invention can be used in the diagnosis, prognosis and management of colorectal cancer. Detection of colon cancer can be determined using expression levels of any of these sequences alone or in combination with the levels of expression. Determination of the aggressive nature and/or the metastatic potential of a colon cancer can be determined by comparing levels of one or more polynucleotides of the invention and comparing total levels of another sequence known to vary in cancerous tissue, *e.g.*, expression of p53, DCC ras, lor FAP (see, e.g., Fearon ER, *et al.*, *Cell* (1990) *61(5)*:759; Hamilton SR *et al.*, *Cancer* (1993) *72*:957; Bodmer W, *et al.*, *Nat Genet.* (1994) *4(3)*:217; Fearon ER, *Ann N Y Acad Sci.* (1995) *768*:101). For example, development of colon cancer can be detected by examining the ratio of any of the polynucleotides of the invention to the levels of oncogenes (*e.g.* ras) or tumor suppressor genes (*e.g.* FAP or p53). Thus expression of specific marker polynucleotides can be used to discriminate between normal and cancerous colon tissue, to discriminate between colon cancers with different cells of origin, to discriminate between colon cancers with different potential metastatic rates, etc.

Use of Polynucleotides to Screen for Peptide Analogs and Antagonists

Polypeptides encoded by the instant polynucleotides and corresponding full length genes can be used to screen peptide libraries to identify binding partners, such as receptors, from among the encoded polypeptides. Peptide libraries can be synthesized according to methods known in the art (see, e.g., USPN 5,010,175 , and WO 91/17823). Agonists or antagonists of the polypeptides if the invention can be screened using any available method known in the art, such as signal transduction, antibody binding, receptor binding, mitogenic assays, chemotaxis assays, etc. The assay conditions ideally should resemble the conditions under which the native activity is exhibited *in vivo*, that is, under physiologic pH, temperature, and ionic strength. Suitable agonists or antagonists will exhibit strong inhibition or enhancement of the native activity at concentrations that do not cause toxic side effects in the subject. Agonists or antagonists that compete for binding to the native polypeptide can require concentrations equal to or greater than the native concentration, while inhibitors capable of binding irreversibly to the polypeptide can be added in concentrations on the order of the native concentration.

Such screening and experimentation can lead to identification of a novel polypeptide binding partner, such as a receptor, encoded by a gene or a cDNA corresponding to a polynucleotide of the invention, and at least one peptide agonist or antagonist of the novel binding partner. Such

agonists and antagonists can be used to modulate, enhance, or inhibit receptor function in cells to which the receptor is native, or in cells that possess the receptor as a result of genetic engineering. Further, if the novel receptor shares biologically important characteristics with a known receptor, information about agonist/antagonist binding can facilitate development of improved agonists/antagonists of the known receptor.

Pharmaceutical Compositions and Therapeutic Uses

Pharmaceutical compositions of the invention can comprise polypeptides, antibodies, or polynucleotides (including antisense nucleotides and ribozymes) of the claimed invention in a therapeutically effective amount. The term "therapeutically effective amount" as used herein refers to an amount of a therapeutic agent to treat, ameliorate, or prevent a desired disease or condition, or to exhibit a detectable therapeutic or preventative effect. The effect can be detected by, for example, chemical markers or antigen levels. Therapeutic effects also include reduction in physical symptoms, such as decreased body temperature. The precise effective amount for a subject will depend upon the subject's size and health, the nature and extent of the condition, and the therapeutics or combination of therapeutics selected for administration. Thus, it is not useful to specify an exact effective amount in advance. However, the effective amount for a given situation is determined by routine experimentation and is within the judgment of the clinician. For purposes of the present invention, an effective dose will generally be from about 0.01 mg/ kg to 50 mg/kg or 0.05 mg/kg to about 10 mg/kg of the DNA constructs in the individual to which it is administered.

A pharmaceutical composition can also contain a pharmaceutically acceptable carrier. The term "pharmaceutically acceptable carrier" refers to a carrier for administration of a therapeutic agent, such as antibodies or a polypeptide, genes, and other therapeutic agents. The term refers to any pharmaceutical carrier that does not itself induce the production of antibodies harmful to the individual receiving the composition, and which can be administered without undue toxicity. Suitable carriers can be large, slowly metabolized macromolecules such as proteins, polysaccharides, polylactic acids, polyglycolic acids, polymeric amino acids, amino acid copolymers, and inactive virus particles. Such carriers are well known to those of ordinary skill in the art. Pharmaceutically acceptable carriers in therapeutic compositions can include liquids such as water, saline, glycerol and ethanol. Auxiliary substances, such as wetting or emulsifying agents, pH buffering substances, and the like, can also be present in such vehicles. Typically, the therapeutic compositions are prepared as injectables, either as liquid solutions or suspensions; solid forms suitable for solution in, or suspension in, liquid vehicles prior to injection can also be prepared. Liposomes are included within the definition of a pharmaceutically acceptable carrier. Pharmaceutically acceptable salts can also be present in the pharmaceutical composition, e.g., mineral acid salts such as hydrochlorides, hydrobromides, phosphates, sulfates, and the like; and the

salts of organic acids such as acetates, propionates, malonates, benzoates, and the like. A thorough discussion of pharmaceutically acceptable excipients is available in *Remington's Pharmaceutical Sciences* (Mack Pub. Co., N.J. 1991).

Delivery Methods. Once formulated, the compositions of the invention can be (1) administered directly to the subject (*e.g.*, as polynucleotide or polypeptides); or (2) delivered ex vivo, to cells derived from the subject (*e.g.*, as in *ex vivo* gene therapy). Direct delivery of the compositions will generally be accomplished by parenteral injection, e.g., subcutaneously, intraperitoneally, intravenously or intramuscularly, intratumoral or to the interstitial space of a tissue. Other modes of administration include oral and pulmonary administration, suppositories, and transdermal applications, needles, and gene guns or hyposprays. Dosage treatment can be a single dose schedule or a multiple dose schedule.

Methods for the ex vivo delivery and reimplantation of transformed cells into a subject are known in the art and described in *e.g.*, International Publication No. WO 93/14778. Examples of cells useful in ex vivo applications include, for example, stem cells, particularly hematopoetic, lymph cells, macrophages, dendritic cells, or tumor cells. Generally, delivery of nucleic acids for both ex vivo and in vitro applications can be accomplished by, for example, dextran-mediated transfection, calcium phosphate precipitation, polybrene mediated transfection, protoplast fusion, electroporation, encapsulation of the polynucleotide(s) in liposomes, and direct microinjection of the DNA into nuclei, all well known in the art.

Once a gene corresponding to a polynucleotide of the invention has been found to correlate with a proliferative disorder, such as neoplasia, dysplasia, and hyperplasia, the disorder can be amenable to treatment by administration of a therapeutic agent based on the provided polynucleotide, corresponding polypeptide or other corresponding molecule (e.g., antisense, ribozyme, etc.).

The dose and the means of administration of the inventive pharmaceutical compositions are determined based on the specific qualities of the therapeutic composition, the condition, age, and weight of the patient, the progression of the disease, and other relevant factors. For example, administration of polynucleotide therapeutic compositions agents of the invention includes local or systemic administration, including injection, oral administration, particle gun or catheterized administration, and topical administration. Preferably, the therapeutic polynucleotide composition contains an expression construct comprising a promoter operably linked to a polynucleotide of at least 12, 22, 25, 30, or 35 contiguous nt of the polynucleotide disclosed herein. Various methods can be used to administer the therapeutic composition directly to a specific site in the body. For example, a small metastatic lesion is located and the therapeutic composition injected several times in several different locations within the body of tumor. Alternatively, arteries which serve a tumor

are identified, and the therapeutic composition injected into such an artery, in order to deliver the composition directly into the tumor. A tumor that has a necrotic center is aspirated and the composition injected directly into the now empty center of the tumor. The antisense composition is directly administered to the surface of the tumor, for example, by topical application of the composition. X-ray imaging is used to assist in certain of the above delivery methods.

Receptor-mediated targeted delivery of therapeutic compositions containing an antisense polynucleotide, subgenomic polynucleotides, or antibodies to specific tissues can also be used. Receptor-mediated DNA delivery techniques are described in, for example, Findeis *et al.*, *Trends Biotechnol.* (1993) *11*:202; Chiou *et al.*, *Gene Therapeutics: Methods And Applications Of Direct Gene Transfer* (J.A. Wolff, ed.) (1994); Wu *et al.*, *J. Biol. Chem.* (1988) *263*:621; Wu *et al.*, *J. Biol. Chem.* (1994) *269*:542; Zenke *et al.*, *Proc. Natl. Acad. Sci. (USA)* (1990) *87*:3655; Wu *et al.*, *J. Biol. Chem.* (1991) *266*:338. Therapeutic compositions containing a polynucleotide are administered in a range of about 100 ng to about 200 mg of DNA for local administration in a gene therapy protocol. Concentration ranges of about 500 ng to about 50 mg, about 1 g to about 2 mg, about 5 g to about 500 g, and about 20 g to about 100 g of DNA can also be used during a gene therapy protocol. Factors such as method of action (e.g., for enhancing or inhibiting levels of the encoded gene product) and efficacy of transformation and expression are considerations which will affect the dosage required for ultimate efficacy of the antisense subgenomic polynucleotides. Where greater expression is desired over a larger area of tissue, larger amounts of antisense subgenomic polynucleotides or the same amounts readministered in a successive protocol of administrations, or several administrations to different adjacent or close tissue portions of, for example, a tumor site, may be required to effect a positive therapeutic outcome. In all cases, routine experimentation in clinical trials will determine specific ranges for optimal therapeutic effect. For polynucleotide-related genes encoding polypeptides or proteins with anti-inflammatory activity, suitable use, doses, and administration are described in USPN 5,654,173.

The therapeutic polynucleotides and polypeptides of the present invention can be delivered using gene delivery vehicles. The gene delivery vehicle can be of viral or non-viral origin (see generally, Jolly, *Cancer Gene Therapy* (1994) *1*:51; Kimura, *Human Gene Therapy* (1994) *5*:845; Connelly, *Human Gene Therapy* (1995) *1*:185; and Kaplitt, *Nature Genetics* (1994) *6*:148). Expression of such coding sequences can be induced using endogenous mammalian or heterologous promoters. Expression of the coding sequence can be either constitutive or regulated.

Viral-based vectors for delivery of a desired polynucleotide and expression in a desired cell are well known in the art. Exemplary viral-based vehicles include, but are not limited to, recombinant retroviruses (see, e.g., WO 90/07936; WO 94/03622; WO 93/25698; WO 93/25234; USPN 5, 219,740; WO 93/11230; WO 93/10218; USPN 4,777,127; GB Patent No. 2,200,651; EP 0

345 242; and WO 91/02805), alphavirus-based vectors (e.g., Sindbis virus vectors, Semliki forest virus (ATCC VR-67; ATCC VR-1247), Ross River virus (ATCC VR-373; ATCC VR-1246) and Venezuelan equine encephalitis virus (ATCC VR-923; ATCC VR-1250; ATCC VR 1249; ATCC VR-532), and adeno-associated virus (AAV) vectors (see, e.g., WO 94/12649, WO 93/03769; WO 93/19191; WO 94/28938; WO 95/11984 and WO 95/00655). Administration of DNA linked to killed adenovirus as described in Curiel, *Hum. Gene Ther.* (1992) *3*:147 can also be employed.

Non-viral delivery vehicles and methods can also be employed, including, but not limited to, polycationic condensed DNA linked or unlinked to killed adenovirus alone (see, e.g., Curiel, *Hum. Gene Ther.* (1992) *3*:147); ligand-linked DNA(see, e.g., Wu, *J. Biol. Chem.* (1989) *264*:16985); eukaryotic cell delivery vehicles cells (see, e.g., USPN 5,814,482; WO 95/07994; WO 96/17072; WO 95/30763; and WO 97/42338) and nucleic charge neutralization or fusion with cell membranes. Naked DNA can also be employed. Exemplary naked DNA introduction methods are described in WO 90/11092 and USPN 5,580,859. Liposomes that can act as gene delivery vehicles are described in USPN 5,422,120; WO 95/13796; WO 94/23697; WO 91/14445; and EP 0524968. Additional approaches are described in Philip, *Mol. Cell Biol.* (1994) *14*:2411, and in Woffendin, *Proc. Natl. Acad. Sci.* (1994) *91*:1581

Further non-viral delivery suitable for use includes mechanical delivery systems such as the approach described in Woffendin *et al.*, *Proc. Natl. Acad. Sci. USA* (1994) *91*(24):11581. Moreover, the coding sequence and the product of expression of such can be delivered through deposition of photopolymerized hydrogel materials or use of ionizing radiation (see, e.g., USPN 5,206,152 and WO 92/11033). Other conventional methods for gene delivery that can be used for delivery of the coding sequence include, for example, use of hand-held gene transfer particle gun (see, e.g., USPN 5,149,655); use of ionizing radiation for activating transferred gene (see, e.g., USPN 5,206,152 and WO 92/11033).

The present invention will now be illustrated by reference to the following examples which set forth particularly advantageous embodiments. However, it should be noted that these embodiments are illustrative and are not to be construed as restricting the invention in any way.

EXAMPLES

Example 1: Source of Biological Materials and Overview of Novel Polynucleotides Expressed by the Biological Materials

cDNA libraries were constructed from either human colon cancer cell line Km12L4-A (Morikawa, et al., *Cancer Research* (1988) *48*:6863) , KM12C (Morikawa et al. *Cancer Res.* (1988) *48*:1943-1948), or MDA-MB-231 (Brinkley et al. *Cancer Res.* (1980) *40*:3118-3129) was used to construct a cDNA library from mRNA isolated from the cells. Sequences expressed by these cell

lines were isolated and analyzed; most sequences were about 275-300 nucleotides in length. The KM12L4-A cell line is derived from the KM12C cell line. The KM12C cell line, which is poorly metastatic (low metastatic) was established in culture from a Dukes' stage B_2 surgical specimen (Morikawa *et al. Cancer Res.* (1988) *48*:6863). The KML4-A is a highly metastatic subline derived from KM12C (Yeatman *et al. Nucl. Acids. Res.* (1995) *23*:4007; Bao-Ling *et al. Proc. Annu. Meet. Am. Assoc. Cancer. Res.* (1995) *21*:3269). The KM12C and KM12C-derived cell lines (*e.g.*, KM12L4, KM12L4-A, *etc.*) are well-recognized in the art as a model cell line for the study of colon cancer (see, *e.g.*, Moriakawa *et al.*, *supra*; Radinsky *et al. Clin. Cancer Res.* (1995) *1*:19; Yeatman *et al.*, (1995) *supra*; Yeatman *et al. Clin. Exp. Metastasis* (1996) *14*:246). The MDA-MB-231 cell line was originally isolated from pleural effusions (Cailleau, *J. Natl. Cancer. Inst.* (1974) *53*:661), is of high metastatic potential, and forms poorly differentiated adenocarcinoma grade II in nude mice consistent with breast carcinoma.

The sequences of the isolated polynucleotides were first masked to eliminate low complexity sequences using the XBLAST masking program (Claverie "Effective Large-Scale Sequence Similarity Searches," In: Computer Methods for Macromolecular Sequence Analysis, Doolittle, ed., *Meth. Enzymol.* 266:212-227 Academic Press, NY, NY (1996); see particularly Claverie, in "Automated DNA Sequencing and Analysis Techniques" Adams *et al.*, eds., Chap. 36, p. 267 Academic Press, San Diego, 1994 and Claverie *et al. Comput. Chem.* (1993) 17:191). Generally, masking does not influence the final search results, except to eliminate sequences of relative little interest due to their low complexity, and to eliminate multiple "hits" based on similarity to repetitive regions common to multiple sequences, e.g., Alu repeats. Masking resulted in the elimination of 43 sequences. The remaining sequences were then used in a BLASTN vs. GenBank search; sequences that exhibited greater than 70% overlap, 99% identity, and a p value of less than 1×10^{-40} were discarded. Sequences from this search also were discarded if the inclusive parameters were met, but the sequence was ribosomal or vector-derived.

The resulting sequences from the previous search were classified into three groups (1, 2 and 3 below) and searched in a BLASTX vs. NRP (non-redundant proteins) database search: (1) unknown (no hits in the GenBank search), (2) weak similarity (greater than 45% identity and p value of less than 1×10^{-5}), and (3) high similarity (greater than 60% overlap, greater than 80% identity, and p value less than 1×10^{-5}). Sequences having greater than 70% overlap, greater than 99% identity, and p value of less than 1×10^{-40} were discarded.

The remaining sequences were classified as unknown (no hits), weak similarity, and high similarity (parameters as above). Two searches were performed on these sequences. First, a

BLAST vs. EST database search was performed and sequences with greater than 99% overlap, greater than 99% similarity and a p value of less than 1×10^{-40} were discarded. Sequences with a p value of less than 1×10^{-65} when compared to a database sequence of human origin were also excluded. Second, a BLASTN vs. Patent GeneSeq database was performed and sequences having greater than 99% identity, p value less than 1×10^{-40}, and greater than 99% overlap were discarded.

The remaining sequences were subjected to screening using other rules and redundancies in the dataset. Sequences with a p value of less than 1×10^{-111} in relation to a database sequence of human origin were specifically excluded. The final result provided the 1,565 sequences listed as SEQ ID NOS:1-1565 in the accompanying Sequence Listing and summarized in Table 1A (inserted prior to claims). Each identified polynucleotide represents sequence from at least a partial mRNA transcript.

Table 1A provides: 1) the SEQ ID NO assigned to each sequence for use in the present specification; 2) the filing date of the U.S. priority application in which the sequence was first filed; 3) the attorney docket number assigned to the priority application (for internal use); 4) the SEQ ID NO assigned to the sequence in the priority application; 5) the sequence name used as an internal identifier of the sequence; and 6) the name assigned to the clone from which the sequence was isolated. Because the provided polynucleotides represent partial mRNA transcripts, two or more polynucleotides of the invention may represent different regions of the same mRNA transcript and the same gene. Thus, if two or more SEQ ID NOS: are identified as belonging to the same clone, then either sequence can be used to obtain the full-length mRNA or gene.

In order to confirm the sequences of SEQ ID NOS:1-1565, the clones were retrieved from a library using a robotic retrieval system, and the inserts of the retrieved clones re-sequenced. These "validation" sequences are provided as SEQ ID NOS:1566-2610 in the Sequence Listing, and a summary of the "validation" sequences provided in Table 1B (inserted prior to claims). Table 1B provides: 1) the SEQ ID NO assigned to each sequence for use in the present specification; 2) the sequence name assigned to the "validation" sequence obtained; 3) whether the "validation" sequence contains sequence that overlaps with an original sequence of SEQ ID NOS:1-1565 (Validation Overlap (VO)), or whether the "validation" sequence does not substantially overlap with an original sequence of SEQ ID NOS:1-1565 (indicated by Validation Non-Overlap (VNO)); and 4) where the sequence is indicated as VO, the name of the clone that contains the indicated "validation" sequence. "Validation" sequences are indicated as "VO" where the "validation" sequence overlaps with an original sequence (*e.g.*, one of SEQ ID NOS:1-1565), and/or the "validation" sequence belongs to the same cluster as the original sequence using the clustering

technique described above. Because the inserts of the clones are generally longer than the original sequence and the validation sequence, it is possible that a "validation" sequence can be obtained from the same clone as an original sequence but yet not share any of the sequence of the original. Such validation sequences will, however, belong to the same cluster as the original sequence using the clustering technique described above. VO "validation" sequences are contained within the same clone as the original sequence (one of SEQ ID NOS:1-1565). "Validation" sequences that provided overlapping sequence are indicating by "VO" can be correlated with the original sequences they validate by referring to Table 1A. Sequences indicated as VNO are treated as newly isolated sequences and may or may not be related to the sequences of SEQ ID NOS:1-1565. Because the "validation" sequences are often longer than the original polynucleotide sequences and thus provide additional sequence information. All validation sequences can be obtained either from an indicated clone (*e.g.*, for VO sequences) or from a cDNA library described herein (*e.g.*, using primers designed from the sequence provided in the sequence listing).

Example 2: Results of Public Database Search to Identify Function of Gene Products

SEQ ID NOS:1566-2610 were translated in all three reading frames, and the nucleotide sequences and translated amino acid sequences used as query sequences to search for homologous sequences in either the GenBank (nucleotide sequences) or Non-Redundant Protein (amino acid sequences) databases. Query and individual sequences were aligned using the BLAST 2.0 programs, available over the world wide web at http://ww.ncbi.nlm.nih.gov/BLAST/. (see also Altschul, et al. *Nucleic Acids Res.* (1997) *25*:3389-3402). The sequences were masked to various extents to prevent searching of repetitive sequences or poly-A sequences, using the XBLAST program for masking low complexity as described above in Example 1.

Tables 2A and 2B (inserted before the claims) provide the alignment summaries having a p value of 1×10^{-2} or less indicating substantial homology between the sequences of the present invention and those of the indicated public databases. Table 2A provides the SEQ ID NO of the query sequence, the accession number of the GenBank database entry of the homologous sequence, and the p value of the alignment. Table 2A provides the SEQ ID NO of the query sequence, the accession number of the Non-Redundant Protein database entry of the homologous sequence, and the p value of the alignment. The alignments provided in Tables 2A and 2B are the best available alignment to a DNA or amino acid sequence at a time just prior to filing of the present specification. The activity of the polypeptide encoded by the SEQ ID NOS listed in Tables 2A and 2B can be extrapolated to be substantially the same or substantially similar to the activity of the reported nearest neighbor or closely related sequence. The accession number of the nearest neighbor is

reported, providing a publicly available reference to the activities and functions exhibited by the nearest neighbor. The public information regarding the activities and functions of each of the nearest neighbor sequences is incorporated by reference in this application. Also incorporated by reference is all publicly available information regarding the sequence, as well as the putative and actual activities and functions of the nearest neighbor sequences listed in Table 2 and their related sequences. The search program and database used for the alignment, as well as the calculation of the p value are also indicated.

Full length sequences or fragments of the polynucleotide sequences of the nearest neighbors can be used as probes and primers to identify and isolate the full length sequence of the corresponding polynucleotide. The nearest neighbors can indicate a tissue or cell type to be used to construct a library for the full-length sequences of the corresponding polynucleotides.

Example 3: Members of Protein Families

SEQ ID NOS:1566-2601 were used to conduct a profile search as described in the specification above. Several of the polynucleotides of the invention were found to encode polypeptides having characteristics of a polypeptide belonging to a known protein family (and thus represent new members of these protein families) and/or comprising a known functional domain (Table 3A, inserted prior to claims). Table 3A provides the SEQ ID NO: of the query sequence, a brief description of the profile hit, the position of the query sequence within the individual sequence (indicated as "start" and "stop"), and the orientation (Direction) of the query sequence with respect to the individual sequence, where forward (for) indicates that the alignment is in the same direction (left to right) as the sequence provided in the Sequence Listing and reverse (rev) indicates that the alignment is with a sequence complementary to the sequence provided in the Sequence Listing.

Some polynucleotides exhibited multiple profile hits where the query sequence contains overlapping profile regions, and/or where the sequence contains two different functional domains. Each of the profile hits of Table 3A are described in more detail below. The acronyms for the profiles (provided in parentheses) are those used to identify the profile in the Pfam and Prosite databases. The Pfam database can be accessed through any of the following URLS: http://pfam.wustl.edu/index.html; http://www.sanger.ac.uk/ Software/Pfam/ and http://www.cgr.ki.se/Pfam/. The Prosite database can be accessed at http://www.expasy.ch/prosite/ The public information available on the Pfam and Prosite databases regarding the various profiles, including but not limited to the activities, function, and consensus sequences of various proteins families and protein domains, is incorporated herein by reference.

14-3-3 Family (14_3_3). SEQ ID NO:1967 corresponds to a sequence encoding a 14-3-3 protein family member. The 14-3-3 protein family includes a group of closely related acidic

homodimeric proteins of about 30 kD first identified as very abundant in mammalian brain tissues and located preferentially in neurons (Aitken et al. *Trends Biochem. Sci.* (1995) *20*:95-97; Morrison *Science* (1994) *266*:56-57; and Xiao et al. *Nature* (1995) *376*:188-191). The 14-3-3 proteins have multiple biological activities, including a key role in signal transduction pathways and the cell cycle. 14-3-3 proteins interact with kinases (*e.g.*, PKC or Raf-1), and can also function as protein-kinase dependent activators of tyrosine and tryptophan hydroxylases. The 14-3-3 protein sequences are extremely well conserved, and include two highly conserved regions: the first is a peptide of 11 residues located in the N-terminal section; the second, a 20 amino acid region located in the C-terminal section. The consensus patterns are as follows: 1) R-N-L-[LIV]-S-[VG]-[GA]-Y-[KN]-N-[IVA]; 2) Y-K-[DE]-S-T-L-I-[IM]-Q-L-[LF]-[RHC]-D-N-[LF]-T-[LS]-W-[TAN]-[SAD].

3'5'-Cyclin Nucleotide Phosphodiesterases (PDEase). SEQ ID NO: 2366 represents a polynucleotide encoding a novel 3'5'-cyclic nucleotide phosphodiesterase. PDEases catalyze the hydrolysis of cAMP or cGMP to the corresponding nucleoside 5' monophosphates (Charbonneau et al, *Proc. Natl. Acad. Sci. U.S.A.* (1986) *83*:9308). There are at least seven different subfamilies of PDEases (Beavo et al., *Trends Pharmacol. Sci.* (1990) *11*:150; http://weber.u.washington.edu/~pde/: 1) Type 1, calmodulin/calcium-dependent PDEases; 2) Type 2, cGMP-stimulated PDEases; 3) Type 3, cGMP-inhibited PDEases; 4) Type 4, cAMP-specific PDEases.; 5) Type 5, cGMP-specific PDEases; 6) Type 6, rhodopsin-sensitive cGMP-specific PDEases; and 7) Type 7, High affinity cAMP-specific PDEases. All PDEase forms share a conserved domain of about 270 residues. The signature pattern is determined from a stretch of 12 residues that contains two conserved histidines: H-D-[LIVMFY]-x-H-x-[AG]-x(2)-[NQ]-x-[LIVMFY].

Four Transmembrane Integral Membrane Proteins (transmembrane4). SEQ ID NOS:1579 and 1978 sequences correspond to a sequence encoding a member of the four transmembrane segments integral membrane protein family (tm4 family). The tm4 family of proteins includes a number of evolutionarily-related eukaryotic cell surface antigens (Levy *et al.*, *J. Biol. Chem.*, (1991) *266*:14597; Tomlinson *et al.*, *Eur. J. Immunol.* (1993) *23*:136; Barclay *et al.* The leucocyte antigen factbooks. (1993) Academic Press, London/San Diego). The tm4 family members are type III membrane proteins, which are integral membrane proteins containing an N-terminal membrane-anchoring domain that functions both as a translocation signal and as a membrane anchor. The family members also contain three additional transmembrane regions, at least seven conserved cysteines residues, and are of approximately the same size (218 to 284 residues). The consensus pattern spans a conserved region including two cysteines located in a short cytoplasmic loop between two transmembrane domains: Consensus pattern: G-x(3)-[LIVMF]-x(2)-[GSA]-[LIVMF](2)-G-C-x-[GA]-[STA]- x(2)-[EG]-x(2)-[CWN]-[LIVM](2).

Seven Transmembrane Integral Membrane Proteins -- Rhodopsin Family (7tm_1). SEQ ID NOS:1652, 1927, and 2068 correspond to a sequence encoding a member of the seven transmembrane (7tm) receptor rhodopsin family. G-protein coupled receptors of the (7tm) rhodopsin family include hormones, neurotransmitters, and light receptors that transduce extracellular signals by interaction with guanine nucleotide-binding (G) proteins (Strosberg *Eur. J. Biochem.* (1991) *196*:1, Kerlavage *Curr. Opin. Struct. Biol.* (1991) *1*:394, Probst, et al., *DNA Cell Biol.* (1992) *11*:1, Savarese, et al., Biochem. J. (1992) *283*:1, http://www.gcrdb.uthscsa.edu/, http://swift.embl-heidelberg.de/7tm/) The consensus pattern that contains the conserved triplet and that also spans the major part of the third transmembrane helix is used to detect this widespread family of proteins: [GSTALIVMFYWC]-[GSTANCPDE]-{EDPKRH}-x(2)-[LIVMNQGA]-x(2)-[LIVMFT]-[GSTANC]-[LIVMFYWSTAC]-[DENH]-R-[FYWCSH]-x(2)-[LIVM].

Seven Transmembrane Integral Membrane Proteins -- Secretin Family (7tm_2). SEQ ID NOS:1598, 1719, 1911, 1927, 2068, and 2341 correspond to a sequence encoding a member of the seven transmembrane receptor (7tm) secretin family (Jueppner et al. *Science* (1991) *254*:1024; Hamann et al. *Genomics* (1996) *32*:144). The N-terminal extracellular domain of these receptors contains five conserved cysteines residues involved in disulfide bonds, with a consensus pattern in the region that spans the first three cysteines. One of the most highly conserved regions spans the C-terminal part of the last transmembrane region and the beginning of the adjacent intracellular region and is used as a second signature pattern. The two consensus patterns are: 1) C-x(3)-[FYWLIV]-D-x(3,4)-C-[FW]-x(2)-[STAGV]-x(8,9)-C-[PF]; and 2) Q-G-[LMFCA]-[LIVMFT]-[LIV]-x-[LIVFST]-[LIF]-[VFYH]-C- [LFY]-x-N-x(2)-V

ATPases Associated with Various Cellular Activities (ATPases). Several of the polynucleotides of the invention correspond to a sequence that encodes a member of a family of ATPases Associated with diverse cellular Activities (AAA). The AAA protein family is composed of a large number of ATPases that share a conserved region of about 220 amino acids containing an ATP-binding site (Froehlich *et al., J. Cell Biol.* (1991) *114*:443; Erdmann *et al. Cell* (1991) *64*:499; Peters *et al., EMBO J.* (1990) *9*:1757; Kunau *et al., Biochimie* (1993) *75*:209-224; Confalonieri *et al., BioEssays* (1995) *17*:639; http://yeamob.pci. chemie.uni-tuebingen.de/AAA/Description.html). The AAA domain, which can be present in one or two copies, acts as an ATP-dependent protein clamp (Confalonieri *et al.* (1995) *BioEssays17*:639) and contains a highly conserved region located in the central part of the domain. The consensus pattern is: [LIVMT]-x-[LIVMT]-[LIVMF]-x-[GATMC]-[ST]-[NS]-x(4)-[LIVM]- D-x-A-[LIFA]-x-R.

Basic Region Plus Leucine Zipper Transcription Factors (BZIP). SEQ ID NO:1623 represents a polynucleotide encoding a novel member of the family of basic region plus leucine zipper transcription factors. The bZIP superfamily (Hurst, *Protein Prof.* (1995) *2*:105; and

Ellenberger, *Curr. Opin. Struct. Biol.* (1994) *4*:12) of eukaryotic DNA-binding transcription factors encompasses proteins that contain a basic region mediating sequence-specific DNA-binding followed by a leucine zipper required for dimerization. The consensus pattern for this protein family is: [KR]-x(1,3)-[RKSAQ]-N-x(2)-[SAQ](2)-x-[RKTAENQ]-x-R-x-[RK].

C2 domain (C2). SEQ ID NOS: 1715 and 2426 correspond to a sequence encoding a C2 domain, which is involved in calcium-dependent phospholipid binding (Davletov *J. Biol. Chem.* (1993) *268*:26386-26390) or, in proteins that do not bind calcium, the domain may facilitate binding to inositol-1,3,4,5-tetraphosphate (Fukuda et al. *J. Biol. Chem.* (1994) *269*:29206-29211; Sutton et al. *Cell* (1995) *80*:929-938). The consensus sequence is: [ACG]-x(2)-L-x(2,3)-D-x(1,2)-[NGSTLIF]-[GTMR]-x-[STAP]-D- [PA]-[FY].

Cysteine proteases (Cys-protease). SEQ ID NO:2238 represents a polynucleotide encoding a protein having a eukaryotic thiol (cysteine) protease active site. Cysteine proteases (Dufour *Biochimie* (1988) *70*:1335) are a family of proteolytic enzymes that contain an active site cysteine. Catalysis proceeds through a thioester intermediate and is facilitated by a nearby histidine side chain; an asparagine completes the essential catalytic triad. The sequences around the three active site residues are well conserved and can be used as signature patterns: Q-x(3)-[GE]-x-C-[YW]-x(2)-[STAGC]-[STAGCV] (where C is the active site residue); 2) [LIVMGSTAN]-x-H-[GSACE]-[LIVM]-x-[LIVMAT](2)-G-x-[GSADNH] (where H is the active site residue); and 3) [FYCH]-[WI]-[LIVT]-x-[KRQAG]-N-[ST]-W-x(3)-[FYW]-G-x(2)-G- [LFYW]-[LIVMFYG]-x-[LIVMF] (where N is the active site residue).

DEAD and DEAH box families ATP-dependent helicases (Dead_box_helic). SEQ ID NOS:1630, 1865, and 2517 represent polynucleotides encoding a novel member of the DEAD and DEAH box families (Schmid et al., *Mol. Microbiol.* (1992) *6*:283; Linder et al., *Nature* (1989) *337*:121; Wassarman, et al., *Nature* (1991) *349*:463). All members of these families are involved in ATP-dependent, nucleic-acid unwinding. All DEAD box family members share a number of conserved sequence motifs, some of which are specific to the DEAD family, with others shared by other ATP-binding proteins or by proteins belonging to the helicases 'superfamily' (Hodgman *Nature* (1988) *333*:22 and *Nature* (1988) *333*:578 (Errata); http://www.expasy.ch/ www/ linder/ HELICASES_ TEXT.html). One of these motifs, called the 'D-E-A-D-box', represents a special version of the B motif of ATP-binding proteins. Proteins that have His instead of the second Asp and are 'D-E-A-H-box' proteins (Wassarman et al., *Nature* (1991) *349*:463; Harosh, et al., *Nucleic Acids Res.* (1991) *19*:6331; Koonin , et al., *J. Gen. Virol.* (1992) *73*:989; http://www.expasy.ch/ www/linder/HELICASES_TEXT.html). The following signature patterns are used to identify member for both subfamilies: 1) [LIVMF](2)-D-E-A-D-[RKEN]-x-[LIVMFYGSTN]; and 2) [GSAH]-x-[LIVMF](3)-D-E-[ALIV]-H-[NECR].

Dual specificity phosphatase (DSPc). Dual specificity phosphatases (DSPs) are Ser/Thr and Tyr protein phosphatases that comprise a tertiary fold highly similar to that of tyrosine-specific phosphatases, except for a "recognition" region connecting helix alpha1 to strand beta1. This tertiary fold may determine differences in substrate specific between VH-1 related dual specificity phosphatase (VHR), the protein tyrosine phosphatases (PTPs), and other DSPs. Phosphatases are important in the control of cell growth, proliferation, differentiation and transformation.

EF Hand (EFhand). SEQ ID NO:1595 corresponds to a polynucleotide encoding a member of the EF-hand protein family, a calcium binding domain shared by many calcium-binding proteins belonging to the same evolutionary family (Kawasaki *et al.*, *Protein. Prof.* (1995) *2*:305-490). The domain is a twelve residue loop flanked on both sides by a twelve residue alpha-helical domain, with a calcium ion coordinated in a pentagonal bipyramidal configuration. The six residues involved in the binding are in positions 1, 3, 5, 7, 9 and 12; these residues are denoted by X, Y, Z, -Y, -X and -Z. The invariant Glu or Asp at position 12 provides two oxygens for liganding Ca (bidentate ligand). The consensus pattern includes the complete EF-hand loop as well as the first residue which follows the loop and which seem to always be hydrophobic: D-x-[DNS]-{ILVFYW}-[DENSTG]-[DNQGHRK]-{GP}-[LIVMC]-[DENQSTAGC]-x(2)-[DE]-[LIVMFYW].

Eukaryotic Aspartyl Proteases (asp). Several of the polynucleotides of the invention correspond to a sequence encoding a novel eukaryotic aspartyl protease. Aspartyl proteases, known as acid proteases, (EC 3.4.23.-) are a widely distributed family of proteolytic enzymes (Foltmann., *Essays Biochem.* (1981) *17*:52; Davies, *Annu. Rev. Biophys. Chem.* (1990) *19*:189; Rao, *et al.*, *Biochemistry* (1991) *30*:4663) known to exist in vertebrates, fungi, plants, retroviruses and some plant viruses. Aspartate proteases of eukaryotes are monomeric enzymes which consist of two domains. Each domain contains an active site centered on a catalytic aspartyl residue. The consensus pattern to identify eukaryotic aspartyl protease is: [LIVMFGAC]-[LIVMTADN]-[LIVFSA]-D-[ST]-G-[STAV]-[STAPDENQ]- x-[LIVMFSTNC]-x-[LIVMFGTA], where D is the active site residue.

Fibronectin Type II collagen-binding domain (FntypeII). SEQ ID NO: 1968 corresponds to a polynucleotide encoding a polypeptide having a type II fibronectin collagen binding domain. Fibronectin is a plasma protein that binds cell surfaces and various compounds including collagen, fibrin, heparin, DNA, and actin. The major part of the sequence of fibronectin consists of the repetition of three types of domains, called type I, II, and III (Skorstengaardet al., *Eur. J. Biochem.* (1986) *161*:441). The type II domain, which is duplicated in fibronectin, is approximately forty residues long, contains four conserved cysteines involved in disulfide bonds and is part of the collagen-binding region of fibronectin. The consensus pattern for identifying members of this family, which pattern spans this entire domain, is: C-x(2)-P-F-x-[FYWI]-x(7)-C-x(8,10)-W-C-x(4)-

[DNSR]-[FYW]- x(3,5)-[FYW]-x-[FYWI]-C (where the four C's are involved in disulfide bonds).

G-Protein Alpha Subunit (G-alpha). SEQ ID NO: 1779 corresponds to a gene encoding a member of the G-protein alpha subunit family. G-proteins are a family of membrane-associated proteins that couple extracellularly-activated integral-membrane receptors to intracellular effectors, such as ion channels and enzymes that vary the concentration of second messenger molecules. G-proteins are composed of 3 subunits (alpha, beta and gamma) which, in the resting state, associate as a trimer at the inner face of the plasma membrane. The alpha subunit, which binds GTP and exhibits GTPase activity, is about 350-400 amino acids in length with a molecular weight in the range of 40-45 kDa. Seventeen distinct types of alpha subunit have been identified in mammals, and fall into 4 main groups on the basis of both sequence similarity and function: alpha-s, alpha-q, alpha-i and alpha-12 (Simon *et al.*, *Science* (1993) *252*:802). They are often N-terminally acylated, usually with myristate and/or palmitoylate, and these fatty acid modifications can be important for membrane association and high- affinity interactions with other proteins.

Helicases conserved C-terminal domain (helicase_C). SEQ ID NOS: 1621 and 1652 represent polynucleotides encoding novel members of the DEAD/H helicase family. The DEAD and DEAH families are described above.

Helix-Loop-Helix (HLH) DNA Binding Domain (HLH). SEQ ID NO:2192 corresponds to a sequence encoding an HLH domain. The HLH domain, which normally spans about 40 to 50 amino acids, is present in a number of eukaryotic transcription factors. The HLH domain is formed of two amphipathic helices joined by a variable length linker region that forms a loop that mediates protein dimerization (Murre et al. *Cell* (1989) *56*:777-783). Basic HLH proteins (bHLH), which have an extra basic region of about 15 amino acid residues adjacent the HLH domain and specifically bind to DNA, include two groups: class A (ubiquitous) and class B (tissue-specific). bHLH family members bind variations of the E-box motif (CANNTG). The homo- or heterodimerization mediated by the HLH domain is independent of, but necessary for DNA binding, as two basic regions are required for DNA binding activity. The HLH proteins lacking the basic domain function as negative regulators since they form heterodimers, but fail to bind DNA. Consensus pattern: [DENSTAP]-[KTR]-[LIVMAGSNT]-{FYWCPHKR}-[LIVMT]-[LIVM]- x(2)-[STAV]-[LIVMSTACKR]-x-[VMFYH]-[LIVMTA]-{P}-{P}-[LIVMRKHQ].

Kinase Domain of Tors. The TOR profile is directed towards a lipid kinase protein family. This family is composed of large proteins with a lipid and protein kinase domain and characterized through their sensitivity to rapamycin (an antifungal compound). TOR proteins are involved in signal transduction downstream of PI3 kinase and many other signals. TOR (also called FRAP, RAFT) plays a role in regulating protein synthesis and cell growth., and in yeast controls translation initiation and early G1 progression. See, *e.g.*, Barbet *et al.Mol Biol Cell.* (1996) 7(1):25-42;

Helliwell *et al. Genetics* (1998) *148*:99-112.

MAP kinase kinase (mkk). SEQ ID NOS: 1825,1876, 2039, and 2526 represent members of the MAP kinase kinase (mkk) family. MAP kinases (MAPK) are involved in signal transduction, and are important in cell cycle and cell growth controls. The MAP kinase kinases (MAPKK) are dual-specificity protein kinases which phosphorylate and activate MAP kinases. MAPKK homologues have been found in yeast, invertebrates, amphibians, and mammals. Moreover, the MAPKK/MAPK phosphorylation switch constitutes a basic module activated in distinct pathways in yeast and in vertebrates. MAPKKs are essential transducers through which signals must pass before reaching the nucleus. For review, see, *e.g.*, Biologique *Biol Cell* (1993) *79*:193-207; Nishida *et al.*, *Trends Biochem Sci* (1993) *18*:128-31; Ruderman *Curr Opin Cell Biol* (1993) *5*:207-13; Dhanasekaran *et al.*, *Oncogene* (1998) *17*:1447-55; Kiefer *et al.*, *Biochem Soc Trans* (1997) *25*:491-8; and Hill, *Cell Signal* (1996) *8*:533-44.

Neurotransmitter-Gated Ion-Channel (neur_chan). Several of the sequences correspond to a sequence encoding a neurotransmitter-gated ion channel. Neurotransmitter-gated ion-channels, which provide the molecular basis for rapid signal transmission at chemical synapses, are post-synaptic oligomeric transmembrane complexes that transiently form a ionic channel upon the binding of a specific neurotransmitter. Five types of neurotransmitter-gated receptors are known: 1) nicotinic acetylcholine receptor (AchR); 2) glycine receptor; 3) gamma-aminobutyric-acid (GABA) receptor; 4) serotonin 5HT3 receptor; and 5) glutamate receptor. All known sequences of subunits from neurotransmitter-gated ion-channels are structurally related, and are composed of a large extracellular glycosylated N-terminal ligand-binding domain, followed by three hydrophobic transmembrane regions that form the ionic channel, followed by an intracellular region of variable length. A fourth hydrophobic region is found at the C-terminal of the sequence. The consensus pattern is: C-x-[LIVMFQ]-x-[LIVMF]-x(2)-[FY]-P-x-D-x(3)-C, where the two C's are linked by a disulfide bond.

Protein Kinase (protkinase). Several sequences represent polynucleotides encoding protein kinases, which catalyze phosphorylation of proteins in a variety of pathways, and are implicated in cancer. Eukaryotic protein kinases (Hanks, *et al.*, *FASEB J.* (1995) *9*:576; Hunter, *Meth. Enzymol.* (1991) *200*:3; Hanks, *et al.*, *Meth. Enzymol.* (1991) *200*:38; Hanks, *Curr. Opin. Struct. Biol.* (1991) *1*:369; Hanks *et al.*, *Science* (1988) *241*:42) belong to a very extensive family of proteins that share a conserved catalytic core common to both serine/threonine and tyrosine protein kinases. There are a number of conserved regions in the catalytic domain of protein kinases. The first region, located in the N-terminal extremity of the catalytic domain, is a glycine-rich stretch of residues in the vicinity of a lysine residue, which has been shown to be involved in ATP binding. The second region, located in the central part of the catalytic domain, contains a conserved an aspartic acid

residue that is important for the catalytic activity of the enzyme (Knighton, *et al.*, *Science* (1991) *253*:407).

The protein kinase profile includes two signature patterns for this second region: one specific for serine/threonine kinases and the other for tyrosine kinases. A third profile is based on the alignment in (Hanks, *et al.*, *FASEB J.* (1995) *9*:576) and covers the entire catalytic domain. The consensus patterns are as follows: 1) [LIV]-G-{P}-G-{P}-[FYWMGSTNH]-[SGA]-{PW}-[LIVCAT]-{PD}-x-[GSTACLIVMFY]-x(5,18)-[LIVMFYWCSTAR]-[AIVP]-[LIVMFAGCKR]-K, where K binds ATP; 2) [LIVMFYC]-x-[HY]-x-D-[LIVMFY]-K-x(2)-N-[LIVMFYCT](3), where D is an active site residue; and 3) [LIVMFYC]-x-[HY]-x-D-[LIVMFY]-[RSTAC]-x(2)-N-[LIVMFYC], where D is an active site residue.

Protein Tyrosine Phosphatase (Y_phosphatase) (PTPase). SEQ ID NOS:1719, 1769, 2062, 2197, and 2275 represent polynucleotides encoding a tyrosine-specific protein phosphatase, a kinase that catalyzes the removal of a phosphate groups attached to a tyrosine residue (EC 3.1.3.48) (PTPase) (Fischer *et al.*, *Science* (1991) *253*:401; Charbonneau *et al.*, *Annu. Rev. Cell Biol.* (1992) *8*:463; Trowbridge *Biol. Chem.* (1991) *266*:23517; Tonks *et al.*, *Trends Biochem. Sci.* (1989) *14*:497; and Hunter, *Cell* (1989) *58*:1013). PTPases are important in the control of cell growth, proliferation, differentiation and transformation. Multiple forms of PTPase have been characterized and can be classified into two categories: soluble PTPases and transmembrane receptor proteins that contain PTPase domain(s). Structurally, all known receptor PTPases are made up of a variable length extracellular domain, followed by a transmembrane region and a C-terminal catalytic cytoplasmic domain. PTPase domains consist of about 300 amino acids. Two conserved cysteines are absolutely required for activity, with a number of other conserved residues in the immediate vicinity also important for activity. The consensus pattern for PTPases is: [LIVMF]-H-C-x(2)-G-x(3)-[STC]-[STAGP]-x-[LIVMFY]; C is the active site residue.

RNA Recognition Motif (rrm). SEQ ID NOS: 1850 and 2194 correspond to sequence encoding an RNA recognition motif, also known as an RRM, RBD, or RNP domain. This domain, which is about 90 amino acids long, is contained in eukaryotic proteins that bind single-stranded RNA (Bandziulis et al. *Genes Dev.* (1989) *3*:431-437; Dreyfuss et al. *Trends Biochem. Sci.* (1988) *13*:86-91). Two regions within the RNA-binding domain are highly conserved: the first is a hydrophobic segment of six residues (which is called the RNP-2 motif), the second is an octapeptide motif (which is called RNP-1 or RNP-CS). The consensus pattern is: [RK]-G-{EDRKHPCG}-[AGSCI]-[FY]-[LIVA]-x-[FYLM].

SH2 Domain (SH2). SEQ ID NO: 2441 corresponds to a sequence encoding an SH2 domain. The Src homology 2 (SH2) domain includes an approximately 100 amino acid residue domain, which is conserved in the oncoproteins Src and Fps, as well as in many other intracellular

signal-transducing proteins (Sadowski et al. *Mol. Cell. Biol.* (1986) *6*:4396-4408; Russel et al. *FEBS Lett.* (1992) *304*:15-20). SH2 domains function as regulatory modules of intracellular signaling cascades by interacting with high affinity to phosphotyrosine-containing target peptides in a sequence-specific and strictly phosphorylation-dependent manner. The SH2 domain has a conserved 3D structure consisting of two alpha helices and six to seven beta-strands. The core of the domain is formed by a continuous beta-meander composed of two connected beta-sheets (Kuriyan et al. *Curr. Opin. Struct. Biol.* (1993) *3*:828-837).

Thioredoxin family active site (Thioredox). SEQ ID NO: 1618 represents a polynucleotide encoding a protein of the thioredoxin family. Thioredoxins are small proteins of approximately one hundred amino acid residues that participate in various redox reactions via the reversible oxidation of an active center disulfide bond (Holmgren, *Annu. Rev. Biochem.* (1985) *54*:237; Gleason, et al., *FEMS Microbiol. Rev.* (1988) *54*:271; Holmgren A. *J. Biol. Chem.* (1989) *264*:13963; Eklund, et al. *Proteins* (1991) *11*:13). Thioredoxins exist in either reduced or oxidized forms where the two cysteine residues are linked in an intramolecular disulfide bond. The sequence around the redox-active disulfide bond is well conserved. The consensus pattern is: [LIVMF]-[LIVMSTA]-x-[LIVMFYC]-[FYWSTHE]-x(2)-[FYWGTN]-C- [GATPLVE]-[PHYWSTA]-C-x(6)-[LIVMFYWT] (where the two C's form the redox-active bond).

Trypsin (trypsin). SEQ ID NOS: 1579, 2290, 2341, 2421, 2430, and 2438 correspond to novel serine proteases of the trypsin family. The catalytic activity of the serine proteases from the trypsin family is provided by a charge relay system involving an aspartic acid residue hydrogen-bonded to a histidine, which itself is hydrogen-bonded to a serine. The sequences in the vicinity of the active site serine and histidine residues are well conserved (Brenner *Nature* (1988) *334*:528). The consensus patterns for the trypsin protein family are: 1) [LIVM]-[ST]-A-[STAG]-H-C, where H is the active site residue; and 2) [DNSTAGC]-[GSTAPIMVQH]-x(2)-G-[DE]-S-G-[GS]-[SAPHV]-[LIVMFYWH]-[LIVMFYSTANQH], where S is the active site residue. All sequences known to belong to this family are detected by the above consensus sequences, except for 18 different proteases which have lost the first conserved glycine. If a protein includes both the serine and the histidine active site signatures, the probability of it being a trypsin family serine protease is 100%.

WD Domain, G-Beta Repeats (WD_domain). SEQ ID NO: 2281 represents a members of the WD domain/G-beta repeat family. Beta-transducin (G-beta) is one of the three subunits (alpha, beta, and gamma) of the guanine nucleotide-binding proteins (G proteins) which act as intermediaries in the transduction of signals generated by transmembrane receptors (Gilman, *Annu. Rev. Biochem.* (1987) *56*:615). The alpha subunit binds to and hydrolyzes GTP; the beta and gamma subunits are required for the replacement of GDP by GTP as well as for membrane anchoring and receptor recognition. In higher eukaryotes, G-beta exists as a small multigene family

of highly conserved proteins of about 340 amino acid residues. Structurally, G-beta has eight tandem repeats of about 40 residues, each containing a central Trp-Asp motif (this type of repeat is sometimes called a WD-40 repeat). The consensus pattern for the WD domain/G-Beta repeat family is: [LIVMSTAC]-[LIVMFYWSTAGC]-[LIMSTAG]-[LIVMSTAGC]-x(2)-[DN]-x(2)-[LIVMWSTAC]-x-[LIVMFSTAG]-W-[DEN]-[LIVMFSTAGCN].

wnt Family of Developmental Signaling Proteins (Wnt_dev_sign). Several of the sequences correspond to novel members of the wnt family of developmental signaling proteins. Wnt-1 (previously known as int-1), the seminal member of this family, (Nusse, *Trends Genet.* (1988) *4*:291) plays a role in intercellular communication and is important in central nervous system development. All wnt family proteins share the following features characteristic of secretory proteins: a signal peptide, several potential N-glycosylation sites and 22 conserved cysteines that may be involved in disulfide bonds. Wnt proteins generally adhere to the plasma membrane of secreting cells and are therefore likely to signal over only few cell diameters. The consensus pattern, which is based upon a highly conserved region including three cysteines, is as follows: C-K-C-H-G-[LIVMT]-S-G-x-C.

Zinc Finger, C2H2 Type (Zincfing_C2H2). SEQ ID NOS: 1735, 1942, 2018, 2254, and 2515 correspond to polynucleotides encoding members of the C2H2 type zinc finger protein family, which contain zinc finger domains that facilitate nucleic acid binding (Klug *et al.*, *Trends Biochem. Sci.* (1987) *12*:464; Evans *et al.*, *Cell* (1988) *52*:1; Payre *et al.*, *FEBS Lett.* (1988) *234*:245; Miller *et al.*, *EMBO J.* (1985) *4*:1609; and Berg, *Proc. Natl. Acad. Sci. USA* (1988) *85*:99). In addition to the conserved zinc ligand residues, a number of other positions are also important for the structural integrity of the C2H2 zinc fingers. (Rosenfeld *et al.*, *J. Biomol. Struct. Dyn.* (1993) *11*:557) The best conserved position, which is generally an aromatic or aliphatic residue, is located four residues after the second cysteine. The consensus pattern for C2H2 zinc fingers is: C-x(2,4)-C-x(3)-[LIVMFYWC]-x(8)-H-x(3,5)-H. The two C's and two H's are zinc ligands.

Example 4: Differential Expression of Polynucleotides of the Invention: Description of Libraries and Detection of Differential Expression

The relative expression levels of the polynucleotides of the invention was assessed in several libraries prepared from various sources, including cell lines and patient tissue samples. Table 4 provides a summary of these libraries, including the shortened library name (used hereafter), the mRNA source used to prepared the cDNA library, the "nickname" of the library that is used in the tables below (in quotes), and the approximate number of clones in the library.

Table 4. Description of cDNA Libraries

Library (lib #)	Description	Number of Clones in Cluster
1	Km12 L4 Human Colon Cell Line, High Metastatic Potential (derived from Km12C); "High Met Colon"	307133
2	Km12C Human Colon Cell Line, Low Metastatic Potential; "Low Met Colon"	284755
3	MDA-MB-231 Human Breast Cancer Cell Line, High Metastatic Potential; micro-metastases in lung; "High Met Breast"	326937
4	MCF7 Human Breast Cancer Cell, Non Metastatic; "Low Met Breast"	318979
8	MV-522 Human Lung Cancer Cell Line, High Metastatic Potential; "High Met Lung"	223620
9	UCP-3 Human Lung Cancer Cell Line, Low Metastatic Potential; "Low Met Lung"	312503
12	Human microvascular endothelial cells (HMEC) – Untreated PCR (OligodT) cDNA library; "HMEC"	41938
13	Human microvascular endothelial cells (HMEC) – Basic fibroblast growth factor (bFGF) treated PCR (OligodT) cDNA library; "HMEC-bFGF"	42100
14	Human microvascular endothelial cells (HMEC) – Vascular endothelial growth factor (VEGF) treated PCR (OligodT) cDNA library; "HMEC-VEGF"	42825
15	Normal Colon – UC#2 Patient PCR (OligodT) cDNA library; "Normal Colon Tissue"	282722
16	Colon Tumor – UC#2 Patient PCR (OligodT) cDNA library; "Normal Colon Tumor Tissue"	298831
17	Liver Metastasis from Colon Tumor of UC#2 Patient PCR (OligodT) cDNA library; "High Met Colon Tissue"	303467
18	Normal Colon – UC#3 Patient PCR (OligodT) cDNA library; "Normal Colon Tissue"	36216
19	Colon Tumor – UC#3 Patient PCR (OligodT) cDNA library; "Colon Tumor Tissue"	41388
20	Liver Metastasis from Colon Tumor of UC#3 Patient PCR (OligodT) cDNA library; "High Met Colon Tissue"	30956
21	GRRpz Human Prostate Cell Line; "Normal Prostate"	164801
22	Woca Human Prostate Cancer Cell Line; "Prostate Cancer"	162088

The KM12L4, KM12C, and MDA-MB-231 cell lines are described in Example 1 above. The MCF7 cell line was derived from a pleural effusion of a breast adenocarcinoma and is non-metastatic. The MV-522 cell line is derived from a human lung carcinoma and is of high metastatic potential. The UCP-3 cell line is a low metastatic human lung carcinoma cell line; the MV-522 is a high metastatic variant of UCP-3. These cell lines are well-recognized in the art as models for the

study of human breast and lung cancer (see, *e.g.*, Chandrasekaran *et al.*, *Cancer Res.* (1979) *39*:870 (MDA-MB-231 and MCF-7); Gastpar *et al.*, *J Med Chem* (1998) *41*:4965 (MDA-MB-231 and MCF-7); Ranson *et al.*, *Br J Cancer* (1998) *77*:1586 (MDA-MB-231 and MCF-7); Kuang *et al.*, *Nucleic Acids Res* (1998) *26*:1116 (MDA-MB-231 and MCF-7); Varki *et al.*, *Int J Cancer* (1987) *40*:46 (UCP-3); Varki *et al.*, *Tumour Biol.* (1990) *11*:327; (MV-522 and UCP-3); Varki *et al.*, *Anticancer Res.* (1990) *10*:637; (MV-522); Kelner *et al.*, *Anticancer Res* (1995) *15*:867 (MV-522); and Zhang *et al.*, *Anticancer Drugs* (1997) *8*:696 (MV522)). The samples of libraries 15-20 are derived from two different patients (UC#2, and UC#3). The bFGF-treated HMEC were prepared by incubation with bFGF at 10ng/ml for 2 hrs; the VEGF-treated HMEC were prepared by incubation with 20ng/ml VEGF for 2 hrs. Following incubation with the respective growth factor, the cells were washed and lysis buffer added for RNA preparation. The GRRpz and WOca cell lines were provided by Dr. Donna M. Peehl, Department of Medicine, Stanford University School of Medicine. GRRpz was derived from normal prostate epithelium. The WOca cell line is a Gleason Grade 4 cell line.

Each of the libraries is composed of a collection of cDNA clones that in turn are representative of the mRNAs expressed in the indicated mRNA source. In order to facilitate the analysis of the millions of sequences in each library, the sequences were assigned to clusters. The concept of "cluster of clones" is derived from a sorting/grouping of cDNA clones based on their hybridization pattern to a panel of roughly 300 7bp oligonucleotide probes (see Drmanac *et al.*, *Genomics* (1996) *37*(1):29). Random cDNA clones from a tissue library are hybridized at moderate stringency to 300 7bp oligonucleotides. Each oligonucleotide has some measure of specific hybridization to that specific clone. The combination of 300 of these measures of hybridization for 300 probes equals the "hybridization signature" for a specific clone. Clones with similar sequence will have similar hybridization signatures. By developing a sorting/grouping algorithm to analyze these signatures, groups of clones in a library can be identified and brought together computationally. These groups of clones are termed "clusters". Depending on the stringency of the selection in the algorithm (similar to the stringency of hybridization in a classic library cDNA screening protocol), the "purity" of each cluster can be controlled. For example, artifacts of clustering may occur in computational clustering just as artifacts can occur in "wet-lab" screening of a cDNA library with 400 bp cDNA fragments, at even the highest stringency. The stringency used in the implementation of cluster herein provides groups of clones that are in general from the same cDNA or closely related cDNAs. Closely related clones can be a result of different length clones of the same cDNA, closely related clones from highly related gene families, or splice variants of the same cDNA.

Differential expression for a selected cluster was assessed by first determining the number of cDNA clones corresponding to the selected cluster in the first library (Clones in 1st), and the determining the number of cDNA clones corresponding to the selected cluster in the second library (Clones in 2nd). Differential expression of the selected cluster in the first library relative to the second library is expressed as a "ratio" of percent expression between the two libraries. In general, the "ratio" is calculated by: 1) calculating the percent expression of the selected cluster in the first library by dividing the number of clones corresponding to a selected cluster in the first library by the total number of clones analyzed from the first library; 2) calculating the percent expression of the selected cluster in the second library by dividing the number of clones corresponding to a selected cluster in a second library by the total number of clones analyzed from the second library; 3) dividing the calculated percent expression from the first library by the calculated percent expression from the second library. If the "number of clones" corresponding to a selected cluster in a library is zero, the value is set at 1 to aid in calculation. The formula used in calculating the ratio takes into account the "depth" of each of the libraries being compared, *i.e.*, the total number of clones analyzed in each library.

In general, a polynucleotide is said to be significantly differentially expressed between two samples when the ratio value is greater than at least about 2, preferably greater than at least about 3, more preferably greater than at least about 5 , where the ratio value is calculated using the method described above. The significance of differential expression is determined using a z score test (Zar, Biostatistical Analysis, Prentice Hall, Inc., USA, "Differences between Proportions," pp 296-298 (1974).

Examples 5-12: Differential Expression of Polynucleotides of the Invention

A number of polynucleotide sequences have been identified that are differentially expressed between, for example, cells derived from high metastatic potential cancer tissue and low metastatic cancer cells, and between cells derived from high metastatic potential cancer tissue and normal tissue. Evaluation of the levels of expression of the genes corresponding to these sequences can be valuable in diagnosis, prognosis, and/or treatment (*e.g.*, to facilitate rationale design of therapy, monitoring during and after therapy, *etc.*). Moreover, the genes corresponding to differentially expressed sequences described herein can be therapeutic targets due to their involvement in regulation (*e.g.*, inhibition or promotion) of development of, for example, the metastatic phenotype. For example, sequences that correspond to genes that are increased in expression in high metastatic potential cells relative to normal or non-metastatic tumor cells may encode genes or regulatory sequences involved in processes such as angiogenesis, differentiation, cell replication, and metastasis.

Detection of the relative expression levels of differentially expressed polynucleotides described herein can provide valuable information to guide the clinician in the choice of therapy. For example, a patient sample exhibiting an expression level of one or more of these polynucleotides that corresponds to a gene that is increased in expression in metastatic or high metastatic potential cells may warrant more aggressive treatment for the patient. In contrast, detection of expression levels of a polynucleotide sequence that corresponds to expression levels associated with that of low metastatic potential cells may warrant a more positive prognosis than the gross pathology would suggest.

A number of polynucleotide sequences of the present invention are differentially expressed between human microvascular endothelial cells (HMEC) that have been treated with growth factors relative to untreated HMEC. Sequences that are differentially expressed between growth factor-treated HMEC and untreated HMEC can represent sequences encoding gene products involved in angiogenesis, metastasis (cell migration), and other development and oncogenic processes. For example, sequences that are more highly expressed in HMEC treated with growth factors (such as bFGF or VEGF) relative to untreated HMEC can serve as markers of cancer cells of higher metastatic potential. Detection of expression of these sequences in colon cancer tissue can be valuable in determining diagnostic, prognostic and/or treatment information associated with the prevention of achieving the malignant state in these tissues, and can be important in risk assessment for a patient. A patient sample displaying an increased level of one or more of these polynucleotides may thus warrant closer attention or more frequent screening procedures to catch the malignant state as early as possible.

The differential expression of the polynucleotides described herein can thus be used as, for example, diagnostic markers, prognostic markers, for risk assessment, patient treatment and the like. These polynucleotide sequences can also be used in combination with other known molecular and/or biochemical markers. The following examples provide relative expression levels of polynucleotides from specified cell lines and patient tissue samples.

Example 5: High Metastatic Potential Breast Cancer Versus Low Metastatic Breast Cancer Cells

The following tables summarize polynucleotides that represent genes that are differentially expressed between high metastatic potential and low metastatic potential breast cancer cells.

Table 5. High metastatic potential breast (lib3) > low metastatic potential (lib4) breast cancer cells

SEQ ID NO:	Lib3 Clones	Lib4 Clones	Lib3/Lib4
1213	40	0	39
1538	60	3	20
1466	14	0	14
1356	10	0	10
1383	10	1	10

SEQ ID NO:	Lib3 Clones	Lib4 Clones	Lib3/Lib4
1158	10	1	10
441	10	1	10
1338	10	0	10
1426	19	2	9
1547	9	1	9
1313	8	1	8
841	8	1	8
1534	8	0	8
1503	8	0	8
829	8	1	8
1408	8	0	8
1447	7	0	7
1389	7	0	7
356	7	0	7
1492	7	0	7
1543	22	3	7
799	7	0	7
1437	6	0	6
1251	6	0	6
972	18	3	6
1482	6	0	6
1299	6	0	6
109	24	4	6
1558	6	0	6
1355	6	0	6
1548	11	2	5
250	10	2	5
919	26	6	4
358	36	12	3
1525	75	28	3
1157	49	17	3

Table 6. Low metastatic potential breast (lib4) > high metastatic potential breast cancer cells (lib3)

SEQ ID NO:	Lib3 Clones	Lib4 Clones	Lib4/Lib3
248	0	58	59
726	1	23	24
14	1	19	19
699	0	14	14
763	1	14	14
20	1	13	13
79	1	13	13
715	0	10	10
991	0	8	8
1199	0	8	8
707	0	7	7
1128	4	26	7
891	0	6	6
1146	2	11	6

SEQ ID NO:	Lib3 Clones	Lib4 Clones	Lib4/Lib3
731	7	44	6
1518	3	15	5
340	3	13	4
949	4	13	3
1247	7	18	3
1185	497	1216	3

Example 6: High Metastatic Potential Lung Cancer Versus Low Metastatic Lung Cancer Cells

The following summarizes polynucleotides that represent genes differentially expressed between high metastatic potential lung cancer cells and low metastatic potential lung cancer cells:

Table 7. High metastatic potential lung (lib8) > low metastatic potential lung (lib9) lung cancer cells

SEQ ID NO:	Lib8 Clones	Lib9 Clones	Lib8/Lib9
150	31	0	43
651	43	2	30
1298	14	1	20
57	11	0	15
625	7	0	10
1322	7	1	10
36	7	0	10
621	18	3	8
215	6	1	8
561	19	4	7
247	5	0	7
199	5	0	7
998	5	0	7
502	5	0	7
1382	8	2	6
1181	17	4	6
1309	8	2	6
1157	15	4	5
1260	14	5	4
1185	710	266	4
1525	21	10	3

Table 8. Low metastatic potential lung (lib9) > high metastatic potential lung (lib8) cancer cells

SEQ ID NO:	Lib8 Clones	Lib9 Clones	Lib9/Lib8
924	1	13	9
822	1	13	9
728	1	12	9
341	1	12	9
1527	3	31	7
698	4	26	5
949	2	15	5
744	3	23	5
973	8	27	2

Example 7: High Metastatic Potential Colon Cancer Versus Low Metastatic Colon Cancer Cells

Tables 9 and 10 summarize polynucleotides that represent genes differentially expressed between high metastatic potential and low metastatic potential colon cancer cells:

Table 9. High metastatic potential (lib1) > low metastatic potential (lib2) colon cancer cells

SEQ ID NO:	Lib1 Clones	Lib2 Clones	Lib1/Lib2
248	67	2	31
87	12	0	11
698	11	0	10
57	13	3	4
924	24	10	2
1249	24	9	2

Table 10. Low metastatic potential (lib2) > high metastatic potential colon cancer (lib1) cells

SEQ ID NO:	Lib1 Clones	Lib2 Clones	Lib2/Lib1
1268	1	17	18
1114	0	15	16
1032	1	14	15
109	5	60	13
973	1	11	12
91	1	11	12
982	0	9	10
1267	3	28	10
93	1	8	9
1556	1	8	9
1251	0	8	9
1206	2	17	9
812	0	8	9
1254	0	7	8
1220	0	7	8
766	0	7	8
1156	0	7	8
1007	0	7	8
981	0	7	8
762	0	7	8
876	0	6	6
1234	2	11	6
1183	0	6	6
1044	2	12	6
785	0	6	6
1069	3	17	6
770	0	6	6
778	0	6	6
792	0	6	6
822	2	10	5
1258	7	23	4
1224	7	17	3

SEQ ID NO:	Lib1 Clones	Lib2 Clones	Lib2/Lib1
984	8	19	3
841	10	28	3
339	14	34	3
1213	11	29	3
1201	5	14	3
1192	22	48	2

Example 8: High Metastatic Potential Colon Cancer Patient Tissue Vs. Normal Patient Tissue

Tables11 summarizes polynucleotides that represent genes differentially expressed between high metastatic potential colon cancer cells and normal colon cells of patient tissue. :

Table 11. High metastatic potential colon tissue (lib17) vs. normal colon tissue (lib15)

SEQ ID NO:	Lib15 Clones	Lib17 Clones	Lib17/Lib15
1422	1	13	12
1132	1	10	9
730	1	9	8
1311	0	7	7
78	9	48	5
822	5	20	4
SEQ ID NO:	**Lib15 Clones**	**Lib17 Clones**	**Lib15/Lib17**
463	8	1	9

Example 9: High Tumor Potential Colon Tissue Vs. Metastasized Colon Cancer Tissue

The following table summarizes polynucleotides that represent genes differentially expressed between high tumor potential colon cancer cels and cells derived from high metastatic potential colon cancer cells of a patient.

Table 12. High tumor potential colon tissue (lib16) vs. high metastatic colon tissue (lib17)

SEQ ID NO:	Lib16 Clones	Lib17 Clones	Lib16/Lib17
1185	14	4	4
SEQ ID NO:	**Lib16 Clones**	**Lib17 Clones**	**Lib17/Lib16**
822	2	20	10

Example 10: High Tumor Potential Colon Cancer Patient Tissue Versus Normal Patient Tissue

Tables 13 and 14 summarize polynucleotides that represent genes differentially expressed between high metastatic potential colon cancer cells and normal colon cells in patient tissue:

Table 13. Higher expression in tumor potential colon tissue (lib16) vs. normal colon tissue (lib15)

SEQ ID NO:	Lib15 Clones	Lib16 Clones	Lib16/Lib15
1311	0	8	8
78	9	28	3

Table 14. Higher expression in normal colon tissue (lib15) vs. tumor potential colon tissue (lib16)

SEQ ID NO:	Lib15 Clones	Lib16 Clones	Lib15/Lib16
463	8	0	8
1099	12	3	4

Example 11: Growth Factor-Stimulated Human Microvascular Endothelial Cells (HMEC) Relative to Untreated HMEC

The following tables summarize polynucleotides that represent genes differentially expressed between growth factor-treated and untreated HMEC.

Table 15. Higher expression in bFGF treated HMEC (lib13) vs. untreated HMEC (lib12)

SEQ ID NO:	Lib12 Clones	Lib13 Clones	Lib13/Lib12
1520	9	23	3
1538	17	35	2

Table 16. Higher expression in VEGF treated HMEC (lib14) vs. untreated HMEC (lib12)

SEQ ID NO:	Lib12 Clones	Lib14 Clones	Lib14/Lib12
1154	2	12	6
1226	2	10	5
1538	17	38	2

Example 12: Polynucleotides Differentially Expressed in Human Prostate Cancer Cells Relative to Normal Human Prostate Cells

The following tables summarize identified polynucleotides that represent genes differentially expressed between prostate cancer cells and normal prostate cells:

Table 17. Higher expression in normal prostate cells (lib21) relative to prostate cancer cells (lib22)

SEQ ID NO:	Lib21 Clones	Lib22 Clones	Lib21/Lib22
1525	6	0	6
248	116	51	2
1203	22	9	2

Table 18 Higher expression in prostate cancer cells (lib22) relative to normal prostate cells (lib21)

SEQ ID NO:	Lib21 Clones	Lib22 Clones	Lib22/Lib21
1213	0	34	35
340	1	12	12
699	0	11	11

Example 13: Differential Expression Across Multiple Libraries

A number of polynucleotide sequences have been identified that represent genes that are differentially expressed across multiple libraries. Expression of these sequences in a tissue or any origin can be valuable in determining diagnostic, prognostic and/or treatment information associated

with the prevention of achieving the malignant state in these tissues, and can be important in risk assessment for a patient. These polynucleotides can also serve as non-tissue specific markers of, for example, risk of metastasis of a tumor. Table 19 summarizes this data.

Table 19. Genes Differentially Expressed Across Multiple Library Comparisons

SEQ ID NO:	Cell or Tissue Sample and Cancer State Compared	Ratio
57	High Met Lung (lib8) > Low Met Lung (lib9)	15
57	High Met Colon (lib1) > Low Met Colon (lib2)	4
78	High Met Colon Tissue (lib17) > Normal Colon Tissue (lib15)	5
78	Normal Colon Tumor Tissue (lib16) > Normal Colon Tissue (lib15)	3
109	High Met Breast (lib3) > Low Met Breast (lib4)	6
109	Low Met Colon (lib2) > High Met Colon (lib1)	13
248	High Met Colon (lib1) > Low Met Colon (lib2)	31
248	Normal Prostate (lib21) > Prostate Cancer (lib22)	2
248	Low Met Breast (lib4) > High Met Breast (lib3)	59
340	Prostate Cancer (lib22) > Normal Prostate (lib21)	12
340	Low Met Breast (lib4) > High Met Breast (lib3)	4
463	Normal Colon Tissue (lib15) > High Met Colon Tissue (lib17)	9
463	Normal Colon Tissue (lib15) > Normal Colon Tumor Tissue (lib16)	8
698	High Met Colon (lib1) > Low Met Colon (lib2)	10
698	Low Met Lung (lib9) > High Met Lung (lib8)	5
699	Low Met Breast (lib4) > High Met Breast (lib3)	14
699	Prostate Cancer (lib22) > Normal Prostate (lib21)	11
822	High Met Colon Tissue (lib17) > Normal Colon Tumor Tissue (lib16)	10
822	Low Met Lung (lib9) > High Met Lung (lib8)	9
822	Low Met Colon (lib2) > High Met Colon (lib1)	5
822	High Met Colon Tissue (lib17) > Normal Colon Tissue (lib15)	4
841	High Met Breast (lib3) > Low Met Breast (lib4)	8
841	Low Met Colon (lib2) > High Met Colon (lib1)	3
924	High Met Colon (lib1) > Low Met Colon (lib2)	2
924	Low Met Lung (lib9) > High Met Lung (lib8)	9
949	Low Met Lung (lib9) > High Met Lung (lib8)	5
949	Low Met Breast (lib4) > High Met Breast (lib3)	3
973	Low Met Colon (lib2) > High Met Colon (lib1)	12
973	Low Met Lung (lib9) > High Met Lung (lib8)	2
1157	High Met Lung (lib8) > Low Met Lung (lib9)	5
1157	High Met Breast (lib3) > Low Met Breast (lib4)	3
1185	Normal Colon Tumor Tissue (lib16) > High Met Colon Tissue (lib17)	4
1185	High Met Lung (lib8) > Low Met Lung (lib9)	4
1185	Low Met Breast (lib4) > High Met Breast (lib3)	3
1213	High Met Breast (lib3) > Low Met Breast (lib4)	39
1213	Prostate Cancer (lib22) > Normal Prostate (lib21)	35
1213	Low Met Colon (lib2) > High Met Colon (lib1)	3
1251	High Met Breast (lib3) > Low Met Breast (lib4)	6
1251	Low Met Colon (lib2) > High Met Colon (lib1)	9
1311	Normal Colon Tumor Tissue (lib16) > Normal Colon Tissue (lib15)	8
1311	High Met Colon Tissue (lib17) > Normal Colon Tissue (lib15)	7
1525	Normal Prostate (lib21) > Prostate Cancer (lib22)	6

SEQ ID NO:	Cell or Tissue Sample and Cancer State Compared	Ratio
1525	High Met Lung (lib8) > Low Met Lung (lib9)	3
1525	High Met Breast (lib3) > Low Met Breast (lib4)	3
1538	High Met Breast (lib3) > Low Met Breast (lib4)	20
1538	HMEC-VEGF (lib14) > HMEC (lib12)	2
1538	HMEC-bFGF (lib13) > HMEC (lib12)	2

Key for Table 19: High Met = high metastatic potential; Low Met = low metastatic potential; met = metastasized; tumor = non-metastasized tumor; HMEC = human microvascular endothelial cell; bFGF = bFGF treated; VEGF = VEGF treated.

Example 14: Identification of Contiguous Sequences Having a Polynucleotide of the Invention

The novel polynucleotides were used to screen publicly available and proprietary databases to determine if any of the polynucleotides of SEQ ID NOS:2611-2707 would facilitate identification of a contiguous sequence, *e.g.*, the polynucleotides would provide sequence that would result in 5' extension of another DNA sequence, resulting in production of a longer contiguous sequence composed of the provided polynucleotide and the other DNA sequence(s). Contiging was performed using the Gelmerge application (default settings) of GCG from the Univ. of Wisconsin.

Using these parameters, 97 contiged sequences were generated. These contiged sequences are provided as SEQ ID NOS:2611-2707 (see Table 1C). Table 1C provides the SEQ ID NO of the contig sequence, the name of the sequence used to create the contig, and the accession number of the publicly available tentative human consensus (THC) sequence used with the sequence of the corresponding sequence name to provide the contig. The sequence name of Table 1C can be correlated with the SEQ ID NO: of the polynucleotide of the invention using Tables 1A and 1B.

The contiged sequences (SEQ ID NOS:2611-2707)thus represent longer sequences that encompass a polynucleotide sequence of the invention. The contiged sequences were then translated in all three reading frames to determine the best alignment with individual sequences using the BLAST programs as described above. The sequences were masked using the XBLAST program for masking low complexity as described above in Example 1. Several of the contiged sequences were found to encode polypeptides having characteristics of a polypeptide belonging to a known protein families (and thus represent new members of these protein families) and/or comprising a known functional domain (Table 3B, inserted prior to claims). Thus the invention encompasses fragments, fusions, and variants of such polynucleotides that retain biological activity associated with the protein family and/or functional domain identified herein.

Descriptions of the profiles for the indicated protein families and functional domains are provided in Example 3 above. A description of the profile for PR55 is provided below.

Protein Phosphatase 2A Regulatory Subunit PR55 (PR55). Several of the contigs correspond to a sequence encoding a protein comprising a protein phosphatase 2A (PP2A)

regulatory subunit PR55. PP2A is a serine/threonine phosphatase involved in many aspects of cellular function including the regulation of metabolic enzymes and proteins involved in signal transduction. PP2A is a trimeric enzyme comprising a core composed of a catalytic subunit associated with a 65 Kd regulatory subunit (PR65, also called subunit A). This complex associates with a third variable subunit (subunit B), which confers distinct properties to the holoenzyme (Mayer-Jaekel et al. *Trends Cell Biol.* (1994) *4*:287-291). One of the forms of the variable subunit is a 55 Kd protein (PR55) which is highly conserved in mammals and may facilitate substrate recognition or targeting the enzyme complex to the appropriate subcellular compartment. The PR55 subunit comprises two conserved sequences of 15 residues; one located in the N-terminal region, the other in the center of the protein. The consensus patterns are: E-F-D-Y-L-K-S-L-E-I-E-E-K-I-N; and N-[AG]-H-[TA]-Y-H-I-N-S-I-S-[LIVM]-N-S-D.

Those skilled in the art will recognize, or be able to ascertain, using not more than routine experimentation, many equivalents to the specific embodiments of the invention described herein. Such specific embodiments and equivalents are intended to be encompassed by the following claims.

All publications and patent applications cited in this specification are herein incorporated by reference as if each individual publication or patent application were specifically and individually indicated to be incorporated by reference. The citation of any publication is for its disclosure prior to the filing date and should not be construed as an admission that the present invention is not entitled to antedate such publication by virtue of prior invention.

Although the foregoing invention has been described in some detail by way of illustration and example for purposes of clarity of understanding, it is readily apparent to those of ordinary skill in the art in light of the teachings of this invention that certain changes and modifications may be made thereto without departing from the spirit or scope of the appended claims.

Deposit Information. The following materials were deposited with the American Type Culture Collection (CMCC = Chiron Master Culture Collection).

Table 20. Cell Lines Deposited with ATCC

Cell Line	Deposit Date	ATCC Accession No.	CMCC Accession No.
KM12L4-A	March 19, 1998	CRL-12496	11606
Km12C	May 15, 1998	CRL-12533	11611
MDA-MB-231	May 15, 1998	CRL-12532	10583
MCF-7	October 9, 1998	CRL-12584	10377

In addition, pools of selected clones, as well as libraries containing specific clones, were assigned an "ES" number (internal reference) and deposited with the ATCC. Table 21 below

provides the ATCC Accession Nos. of the ES deposits, all of which were deposited on or before May 13, 1999. The names of the clones contained within each of these deposits are provided in the tables numbered 22 and greater (inserted before the claims).

Table 21: Pools of Clones and Libraries Deposited with ATCC on or before May 14, 1999

ES #	ATCC Accession #	ES #	ATCC Accession #	ES #	ATCC Accession #
34		41		48	
35		42		49	
36		43		50	
37		44		51	
38		45		52	
39		46		53	
40		47		54	

The deposits described herein are provided merely as convenience to those of skill in the art, and is not an admission that a deposit is required under 35 U.S.C. §112. The sequence of the polynucleotides contained within the deposited material, as well as the amino acid sequence of the polypeptides encoded thereby, are incorporated herein by reference and are controlling in the event of any conflict with the written description of sequences herein. A license may be required to make, use, or sell the deposited material, and no such license is granted hereby.

Retrieval of Individual Clones from Deposit of Pooled Clones. Where the ATCC deposit is composed of a pool of cDNA clones or a library of cDNA clones, the deposit was prepared by first transfecting each of the clones into separate bacterial cells. The clones in the pool or library were then deposited as a pool of equal mixtures in the composite deposit. Particular clones can be obtained from the composite deposit using methods well known in the art. For example, a bacterial cell containing a particular clone can be identified by isolating single colonies, and identifying colonies containing the specific clone through standard colony hybridization techniques, using an oligonucleotide probe or probes designed to specifically hybridize to a sequence of the clone insert (*e.g.*, a probe based upon unmasked sequence of the encoded polynucleotide having the indicated SEQ ID NO). The probe should be designed to have a T_m of approximately 80°C (assuming 2°C for each A or T and 4°C for each G or C). Positive colonies can then be picked, grown in culture, and the recombinant clone isolated. Alternatively, probes designed in this manner can be used to PCR to isolate a nucleic acid molecule from the pooled clones according to methods well known in the art,*e.g.*, by purifying the cDNA from the deposited culture pool, and using the probes in PCR reactions to produce an amplified product having the corresponding desired polynucleotide sequence.

Table 1A

	Priority Appln Information				
SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
1	5/14/98	1487	1	RTA00000608F.d.17.1	M00003981C:E04
2	5/14/98	1487	2	RTA00000589F.n.08.1	M00004182D:H03
3	5/14/98	1487	3	RTA00000589F.p.06.1	M00004223D:D07
4	5/14/98	1487	4	RTA00000597F.b.03.4	M00003770D:C07
5	5/14/98	1487	5	RTA00000608F.k.12.1	M00004029A:E01
6	5/14/98	1487	6	RTA00000585F.h.08.2	M00001432B:H08
7	5/14/98	1487	7	RTA00000585F.h.14.2	M00001433A:C07
8	5/14/98	1487	8	RTA00000609F.f.01.3	M00004060C:A02
9	5/14/98	1487	9	RTA00000588F.j.01.3	M00003835A:E03
10	5/14/98	1487	10	RTA00000596F.b.19.1	M00001663C:C03
11	5/14/98	1487	11	RTA00000585F.m.18.1	M00001444A:A09
12	5/14/98	1487	12	RTA00000596F.m.11.1	M00003753C:B01
13	5/14/98	1487	13	RTA00000589F.k.05.1	M00004133C:B02
14	5/14/98	1487	14	RTA00000589F.a.18.2	M00003984C:F04
15	5/14/98	1487	15	RTA00000585F.g.19.2	M00001431A:E05
16	5/14/98	1487	16	RTA00000595F.c.21.1	M00001598C:D10
17	5/14/98	1487	17	RTA00000584F.n.20.1	M00001406C:A11
18	5/14/98	1487	18	RTA00000611F.o.18.5	M00004204A:D04
19	5/14/98	1487	19	RTA00000597F.f.23.1	M00003787D:A06
20	5/14/98	1487	20	RTA00000585F.p.13.2	M00001452B:H06
21	5/14/98	1487	21	RTA00000583F.f.06.1	M00001348D:H08
22	5/14/98	1487	22	RTA00000585F.h.08.1	M00001432B:H08
23	5/14/98	1487	23	RTA00000589F.n.10.1	M00004184B:F11
24	5/14/98	1487	24	RTA00000614F.k.01.1	M00004465C:B12
25	5/14/98	1487	25	RTA00000587F.p.24.1	M00001584C:A03
26	5/14/98	1487	26	RTA00000587F.g.19.2	M00001548C:A09
27	5/14/98	1487	27	RTA00000612F.c.12.2	M00004222A:H10
28	5/14/98	1487	28	RTA00000589F.f.09.1	M00004064A:B12
29	5/14/98	1487	29	RTA00000586F.k.02.1	M00001490B:G04
30	5/14/98	1487	30	RTA00000609F.b.20.2	M00004050A:F02
31	5/14/98	1487	31	RTA00000584F.m.13.1	M00001402D:C07
32	5/14/98	1487	32	RTA00000614F.i.12.1	M00004447D:D10
33	5/14/98	1487	33	RTA00000608F.m.14.1	M00004035A:A10
34	5/14/98	1487	34	RTA00000608F.m.01.1	M00004033C:D10
35	5/14/98	1487	35	RTA00000597F.o.18.1	M00003819C:E04
36	5/14/98	1487	36	RTA00000584F.g.06.1	M00001390A:C06
37	5/14/98	1487	37	RTA00000609F.a.07.2	M00004046A:F04
38	5/14/98	1487	38	RTA00000607F.o.12.2	M00003961C:G02
39	5/14/98	1487	39	RTA00000597F.p.17.1	M00003821C:E04

	Priority Appln Information				
SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
40	5/14/98	1487	40	RTA00000609F.f.16.3	M00004063C:B11
41	5/14/98	1487	41	RTA00000584F.o.04.1	M00001407B:A08
42	5/14/98	1487	42	RTA00000608F.d.21.1	M00003982A:G03
43	5/14/98	1487	43	RTA00000614F.b.23.1	M00004389C:E01
44	5/14/98	1487	44	RTA00000612F.l.04.1	M00004268C:F08
45	5/14/98	1487	45	RTA00000611F.n.20.3	M00004200D:A07
46	5/14/98	1487	46	RTA00000608F.e.01.1	M00003982B:C10
47	5/14/98	1487	47	RTA00000585F.k.21.1	M00001439C:G06
48	5/14/98	1487	48	RTA00000589F.d.07.1	M00004037B:A09
49	5/14/98	1487	49	RTA00000614F.j.07.1	M00004460B:H09
50	5/14/98	1487	50	RTA00000614F.o.08.1	M00004508B:G02
51	5/14/98	1487	51	RTA00000608F.e.11.1	M00003983C:E07
52	5/14/98	1487	52	RTA00000589F.d.08.1	M00004037B:B05
53	5/14/98	1487	53	RTA00000614F.l.09.1	M00004491D:D07
54	5/14/98	1487	54	RTA00000607F.m.15.1	M00003949B:D05
55	5/14/98	1487	55	RTA00000609F.p.17.1	M00004093D:D09
56	5/14/98	1487	56	RTA00000583F.d.22.1	M00001346B:G03
57	5/14/98	1487	57	RTA00000589F.h.07.1	M00004081B:C11
58	5/14/98	1487	58	RTA00000611F.k.19.3	M00004191B:G01
59	5/14/98	1487	59	RTA00000595F.p.10.1	M00001654D:F06
60	5/14/98	1487	60	RTA00000609F.h.01.1	M00004068D:B01
61	5/14/98	1487	61	RTA00000612F.g.24.2	M00004244B:A02
62	5/14/98	1487	62	RTA00000608F.b.10.1	M00003975B:H09
63	5/14/98	1487	63	RTA00000587F.i.12.1	M00001555D:F11
64	5/14/98	1487	64	RTA00000610F.p.02.1	M00004152C:E01
65	5/14/98	1487	65	RTA00000608F.f.15.2	M00003987A:C07
66	5/14/98	1487	66	RTA00000614F.k.11.1	M00004467D:F09
67	5/14/98	1487	67	RTA00000612F.b.10.2	M00004216D:E10
68	5/14/98	1487	68	RTA00000606F.k.11.1	M00003864B:A04
69	5/14/98	1487	69	RTA00000583F.g.18.1	M00001352C:E01
70	5/14/98	1487	70	RTA00000585F.i.13.1	M00001435A:F03
71	5/14/98	1487	71	RTA00000612F.g.11.2	M00004240D:A07
72	5/14/98	1487	72	RTA00000607F.l.05.1	M00003936C:F10
73	5/14/98	1487	73	RTA00000610F.a.11.1	M00004097C:A03
74	5/14/98	1487	74	RTA00000596F.k.09.1	M00003746B:E12
75	5/14/98	1487	75	RTA00000611F.d.11.1	M00004169A:B11
76	5/14/98	1487	76	RTA00000588F.g.06.1	M00003797D:E10
77	5/14/98	1487	77	RTA00000595F.n.15.1	M00001648C:F06
78	5/14/98	1487	78	RTA00000584F.c.22.1	M00001382C:C09
79	5/14/98	1487	79	RTA00000585F.l.17.1	M00001441D:H05

	Priority Appln Information				
SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
80	5/14/98	1487	80	RTA00000608F.k.15.2	M00004029C:B03
81	5/14/98	1487	81	RTA00000597F.g.14.1	M00003789C:E03
82	5/14/98	1487	82	RTA00000588F.n.16.3	M00003906C:H12
83	5/14/98	1487	83	RTA00000606F.o.14.1	M00003886C:D10
84	5/14/98	1487	84	RTA00000608F.n.09.1	M00004037A:A07
85	5/14/98	1487	85	RTA00000613F.h.06.1	M00004329C:F11
86	5/14/98	1487	86	RTA00000587F.l.08.1	M00001564C:D04
87	5/14/98	1487	87	RTA00000590F.d.23.1	M00004350B:F06
88	5/14/98	1487	88	RTA00000609F.i.24.2	M00004073D:E01
89	5/14/98	1487	89	RTA00000614F.j.23.1	M00004465C:B10
90	5/14/98	1487	90	RTA00000587F.p.15.1	M00001582D:B10
91	5/14/98	1487	91	RTA00000640F.a.05.1	M00004190A:A09
92	5/14/98	1487	92	RTA00000609F.k.01.2	M00004077D:D10
93	5/14/98	1487	93	RTA00000589F.e.14.2	M00004054D:D02
94	5/14/98	1487	94	RTA00000586F.a.13.1	M00001455A:E09
95	5/14/98	1487	95	RTA00000590F.d.10.1	M00004337D:G08
96	5/14/98	1487	96	RTA00000608F.i.18.1	M00003998A:D03
97	5/14/98	1487	97	RTA00000608F.m.05.1	M00004034A:E08
98	5/14/98	1487	98	RTA00000597F.p.10.1	M00003820D:E02
99	5/14/98	1487	99	RTA00000585F.n.20.1	M00001446D:B10
100	5/14/98	1487	100	RTA00000584F.a.14.1	M00001377A:D03
101	5/14/98	1487	101	RTA00000609F.p.03.2	M00004092A:C03
102	5/14/98	1487	102	RTA00000606F.f.06.1	M00003841A:E09
103	5/14/98	1487	103	RTA00000609F.o.22.1	M00004091D:D09
104	5/14/98	1487	104	RTA00000587F.d.02.1	M00001537B:C12
105	5/14/98	1487	105	RTA00000612F.n.07.2	M00004277C:H11
106	5/14/98	1487	106	RTA00000606F.p.03.1	M00003888C:E01
107	5/14/98	1487	107	RTA00000589F.g.15.1	M00004076D:B03
108	5/14/98	1487	108	RTA00000610F.b.09.1	M00004102C:F07
109	5/14/98	1487	109	RTA00000603F.a.13.1	M00003820C:A09
110	5/14/98	1487	110	RTA00000606F.o.01.1	M00003883D:C03
111	5/14/98	1487	111	RTA00000589F.c.17.1	M00004030B:C05
112	5/14/98	1487	112	RTA00000589F.k.22.1	M00004140B:B01
113	5/14/98	1487	113	RTA00000585F.k.08.1	M00001438C:H05
114	5/14/98	1487	114	RTA00000595F.a.09.1	M00001586A:F09
115	5/14/98	1487	115	RTA00000597F.g.22.1	M00003790B:F12
116	5/14/98	1487	116	RTA00000597F.c.02.3	M00003773A:C09
117	5/14/98	1487	117	RTA00000587F.b.18.1	M00001530A:D11
118	5/14/98	1487	118	RTA00000606F.a.18.1	M00003824B:D06
119	5/14/98	1487	119	RTA00000612F.j.14.2	M00004260A:B07

	Priority Appln Information				
SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
120	5/14/98	1487	120	RTA00000612F.g.23.3	M00004243C:E10
121	5/14/98	1487	121	RTA00000583F.p.05.1	M00001374C:C09
122	5/14/98	1487	122	RTA00000586F.a.12.1	M00001455A:C03
123	5/14/98	1487	123	RTA00000613F.d.21.1	M00004308A:E06
124	5/14/98	1487	124	RTA00000586F.e.02.2	M00001466C:F02
125	5/14/98	1487	125	RTA00000595F.f.07.1	M00001609A:B12
126	5/14/98	1487	126	RTA00000607F.o.13.2	M00003962B:B09
127	5/14/98	1487	127	RTA00000595F.b.06.1	M00001590D:A07
128	5/14/98	1487	128	RTA00000609F.l.04.2	M00004081C:A01
129	5/14/98	1487	129	RTA00000610F.b.08.1	M00004102B:B04
130	5/14/98	1487	130	RTA00000585F.k.06.1	M00001438B:H06
131	5/14/98	1487	131	RTA00000611F.o.20.5	M00004204B:A04
132	5/14/98	1487	132	RTA00000614F.g.09.1	M00004421A:G04
133	5/14/98	1487	133	RTA00000597F.h.12.1	M00003793C:D11
134	5/14/98	1487	134	RTA00000597F.p.21.1	M00003822A:G05
135	5/14/98	1487	135	RTA00000595F.l.24.2	M00001641B:G05
136	5/14/98	1487	136	RTA00000584F.l.05.1	M00001399C:E10
137	5/14/98	1487	137	RTA00000586F.j.16.1	M00001489B:F08
138	5/14/98	1487	138	RTA00000613F.h.20.1	M00004332B:E11
139	5/14/98	1487	139	RTA00000606F.k.06.1	M00003862C:H10
140	5/14/98	1487	140	RTA00000587F.j.01.1	M00001557C:B08
141	5/14/98	1487	141	RTA00000610F.l.23.1	M00004143A:H07
142	5/14/98	1487	142	RTA00000606F.j.21.1	M00003860B:A07
143	5/14/98	1487	143	RTA00000608F.i.15.1	M00003997D:D07
144	5/14/98	1487	144	RTA00000596F.o.21.1	M00003763D:F06
145	5/14/98	1487	145	RTA00000597F.l.05.1	M00003809B:D08
146	5/14/98	1487	146	RTA00000608F.h.04.1	M00003992D:G01
147	5/14/98	1487	147	RTA00000585F.d.21.1	M00001424A:H09
148	5/14/98	1487	148	RTA00000606F.k.15.1	M00003864C:D09
149	5/14/98	1487	149	RTA00000612F.k.16.2	M00004266A:F10
150	5/14/98	1487	150	RTA00000589F.b.14.1	M00003991B:B05
151	5/14/98	1487	151	RTA00000597F.m.17.1	M00003813D:A06
152	5/14/98	1487	152	RTA00000585F.k.14.1	M00001439B:E02
153	5/14/98	1487	153	RTA00000584F.f.21.1	M00001389B:B06
154	5/14/98	1487	154	RTA00000597F.i.09.1	M00003796C:H03
155	5/14/98	1487	155	RTA00000597F.h.20.1	M00003795A:B01
156	5/14/98	1487	156	RTA00000608F.k.24.1	M00004030B:B02
157	5/14/98	1487	157	RTA00000586F.n.05.1	M00001500B:H07
158	5/14/98	1487	158	RTA00000608F.n.02.1	M00004035D:E04
159	5/14/98	1487	159	RTA00000585F.e.11.2	M00001425C:E10

	Priority Appln Information				
SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
160	5/14/98	1487	160	RTA00000596F.k.08.1	M00003746A:E01
161	5/14/98	1487	161	RTA00000611F.b.14.1	M00004163A:D11
162	5/14/98	1487	162	RTA00000607F.m.10.1	M00003948B:B03
163	5/14/98	1487	163	RTA00000586F.p.01.1	M00001506A:F01
164	5/14/98	1487	164	RTA00000589F.g.08.1	M00004075C:C09
165	5/14/98	1487	165	RTA00000608F.n.19.1	M00004037D:B05
166	5/14/98	1487	166	RTA00000607F.c.16.2	M00003905C:B01
167	5/14/98	1487	167	RTA00000595F.i.09.1	M00001622C:F06
168	5/14/98	1487	168	RTA00000584F.j.10.1	M00001397B:E02
169	5/14/98	1487	169	RTA00000589F.i.13.1	M00004103B:C07
170	5/14/98	1487	170	RTA00000585F.f.04.2	M00001427A:C05
171	5/14/98	1487	171	RTA00000606F.d.24.1	M00003837C:F05
172	5/14/98	1487	172	RTA00000609F.n.22.1	M00004088A:F12
173	5/14/98	1487	173	RTA00000610F.m.14.1	M00004144D:B06
174	5/14/98	1487	174	RTA00000606F.k.17.1	M00003864D:G05
175	5/14/98	1487	175	RTA00000583F.d.06.1	M00001345A:A12
176	5/14/98	1487	176	RTA00000608F.m.09.1	M00004034C:F05
177	5/14/98	1487	177	RTA00000608F.o.17.1	M00004040D:B05
178	5/14/98	1487	178	RTA00000583F.k.15.3	M00001362B:H09
179	5/14/98	1487	179	RTA00000610F.f.16.1	M00004120A:C02
180	5/14/98	1487	180	RTA00000608F.h.19.2	M00003994C:C11
181	5/14/98	1487	181	RTA00000584F.m.07.1	M00001401D:D04
182	5/14/98	1487	182	RTA00000587F.h.20.2	M00001552B:D01
183	5/14/98	1487	183	RTA00000596F.b.01.1	M00001660A:F10
184	5/14/98	1487	184	RTA00000611F.n.13.2	M00004199D:C02
185	5/14/98	1487	185	RTA00000597F.o.06.1	M00003818A:F09
186	5/14/98	1487	186	RTA00000589F.n.03.1	M00004178B:F06
187	5/14/98	1487	187	RTA00000597F.k.07.1	M00003805A:G05
188	5/14/98	1487	188	RTA00000611F.c.19.2	M00004166B:E10
189	5/14/98	1487	189	RTA00000606F.l.12.1	M00003868D:F02
190	5/14/98	1487	190	RTA00000614F.d.22.1	M00004407D:B09
191	5/14/98	1487	191	RTA00000608F.n.16.1	M00004037C:D07
192	5/14/98	1487	192	RTA00000595F.l.20.2	M00001640D:C10
193	5/14/98	1487	193	RTA00000608F.k.22.1	M00004030A:E09
194	5/14/98	1487	194	RTA00000583F.h.23.1	M00001355B:A01
195	5/14/98	1487	195	RTA00000608F.c.23.1	M00003980C:A11
196	5/14/98	1487	196	RTA00000585F.n.01.1	M00001444A:G12
197	5/14/98	1487	197	RTA00000596F.n.08.1	M00003756C:C08
198	5/14/98	1487	198	RTA00000612F.d.16.2	M00004229C:G11
199	5/14/98	1487	199	RTA00000589F.c.19.1	M00004031A:B04

	Priority Appln Information				
SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
200	5/14/98	1487	200	RTA00000584F.j.08.1	M00001397A:F10
201	5/14/98	1487	201	RTA00000583F.j.03.3	M00001358D:D09
202	5/14/98	1487	202	RTA00000597F.j.09.1	M00003801D:F05
203	5/14/98	1487	203	RTA00000614F.n.21.1	M00004506C:H10
204	5/14/98	1487	204	RTA00000606F.d.05.1	M00003833B:A11
205	5/14/98	1487	205	RTA00000589F.d.10.1	M00004038C:D12
206	5/14/98	1487	206	RTA00000597F.p.01.1	M00003820A:H04
207	5/14/98	1487	207	RTA00000586F.l.20.1	M00001496A:B03
208	5/14/98	1487	208	RTA00000607F.c.07.2	M00003903C:A12
209	5/14/98	1487	209	RTA00000595F.b.02.1	M00001589C:D12
210	5/14/98	1487	210	RTA00000597F.n.18.1	M00003816C:F10
211	5/14/98	1487	211	RTA00000612F.d.10.2	M00004228C:D11
212	5/14/98	1487	212	RTA00000609F.n.13.1	M00004086D:A07
213	5/14/98	1487	213	RTA00000610F.b.02.1	M00004101D:A03
214	5/14/98	1487	214	RTA00000590F.a.17.1	M00004249C:E12
215	5/14/98	1487	215	RTA00000587F.i.02.1	M00001553D:B06
216	5/14/98	1487	216	RTA00000583F.p.22.1	M00001376A:H02
217	5/14/98	1487	217	RTA00000609F.d.08.1	M00004054D:A03
218	5/14/98	1487	218	RTA00000609F.k.06.2	M00004078C:A08
219	5/14/98	1487	219	RTA00000585F.i.20.1	M00001435B:G10
220	5/14/98	1487	220	RTA00000585F.e.15.2	M00001426A:F09
221	5/14/98	1487	221	RTA00000595F.c.18.1	M00001597C:B03
222	5/14/98	1487	222	RTA00000596F.p.18.1	M00003766A:G09
223	5/14/98	1487	223	RTA00000611F.l.04.3	M00004193A:C07
224	5/14/98	1487	224	RTA00000614F.o.06.1	M00004508A:G12
225	5/14/98	1487	225	RTA00000586F.o.13.1	M00001504D:D09
226	5/14/98	1487	226	RTA00000612F.o.21.1	M00004283C:D03
227	5/14/98	1487	227	RTA00000585F.k.18.1	M00001439C:A01
228	5/14/98	1487	228	RTA00000611F.o.19.5	M00004204A:D10
229	5/14/98	1487	229	RTA00000611F.l.10.3	M00004193C:H01
230	5/14/98	1487	230	RTA00000612F.b.22.2	M00004217D:G10
231	5/14/98	1487	231	RTA00000583F.n.06.1	M00001370B:B12
232	5/14/98	1487	232	RTA00000611F.p.08.3	M00004206C:G11
233	5/14/98	1487	233	RTA00000607F.e.03.2	M00003909D:G01
234	5/14/98	1487	234	RTA00000607F.b.09.2	M00003896D:B01
235	5/14/98	1487	235	RTA00000585F.j.16.1	M00001436D:C10
236	5/14/98	1487	236	RTA00000607F.g.05.2	M00003915C:G01
237	5/14/98	1487	237	RTA00000586F.o.14.1	M00001505A:E09
238	5/14/98	1487	238	RTA00000607F.h.15.1	M00003920B:A10
239	5/14/98	1487	239	RTA00000586F.m.14.1	M00001499B:H05

	Priority Appln Information				
SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
240	5/14/98	1487	240	RTA00000610F.p.17.1	M00004154D:F11
241	5/14/98	1487	241	RTA00000584F.d.11.1	M00001383C:C07
242	5/14/98	1487	242	RTA00000610F.e.07.1	M00004114C:F02
243	5/14/98	1487	243	RTA00000610F.b.17.1	M00004103B:C09
244	5/14/98	1487	244	RTA00000596F.c.05.1	M00001669A:H11
245	5/14/98	1487	245	RTA00000586F.b.17.1	M00001458B:F06
246	5/14/98	1487	246	RTA00000607F.l.16.1	M00003939A:A02
247	5/14/98	1487	247	RTA00000590F.f.18.2	M00004446A:G01
248	5/14/98	1487	248	RTA00000603F.b.07.1	M00004242C:C01
249	5/14/98	1487	249	RTA00000589F.f.11.1	M00004066A:E12
250	5/14/98	1487	250	RTA00000589F.j.09.1	M00004115A:G09
251	5/14/98	1487	251	RTA00000583F.a.18.1	M00001339B:E05
252	5/14/98	1487	252	RTA00000612F.f.23.3	M00004239C:C09
253	5/14/98	1487	253	RTA00000597F.o.12.1	M00003818C:E09
254	5/14/98	1487	254	RTA00000607F.b.05.2	M00003896B:F08
255	5/14/98	1487	255	RTA00000607F.e.23.2	M00003912C:C11
256	5/14/98	1487	256	RTA00000586F.m.11.1	M00001499A:D05
257	5/14/98	1487	257	RTA00000585F.g.18.2	M00001431A:C10
258	5/14/98	1487	258	RTA00000614F.d.07.1	M00004403A:B05
259	5/14/98	1487	259	RTA00000606F.c.23.1	M00003832B:G03
260	5/14/98	1487	260	RTA00000609F.d.13.1	M00004055B:F06
261	5/14/98	1487	261	RTA00000606F.c.04.1	M00003829A:E02
262	5/14/98	1487	262	RTA00000587F.f.02.1	M00001542C:F06
263	5/14/98	1487	263	RTA00000585F.e.14.2	M00001426A:C02
264	5/14/98	1487	264	RTA00000584F.o.03.2	M00001406D:H01
265	5/14/98	1487	265	RTA00000614F.m.24.1	M00004501A:G06
266	5/14/98	1487	266	RTA00000586F.j.21.1	M00001489D:C08
267	5/14/98	1487	267	RTA00000585F.d.02.2	M00001421C:A03
268	5/14/98	1487	268	RTA00000597F.o.19.1	M00003819D:G09
269	5/14/98	1487	269	RTA00000613F.h.02.1	M00004328A:H06
270	5/14/98	1487	270	RTA00000612F.m.08.2	M00004273D:E11
271	5/14/98	1487	271	RTA00000606F.g.04.1	M00003844C:H05
272	5/14/98	1487	272	RTA00000608F.h.04.2	M00003992D:G01
273	5/14/98	1487	273	RTA00000609F.e.19.3	M00004059A:G09
274	5/14/98	1487	274	RTA00000613F.c.10.1	M00004297D:B08
275	5/14/98	1487	275	RTA00000587F.d.24.1	M00001539B:B01
276	5/14/98	1487	276	RTA00000597F.a.22.5	M00003769D:G12
277	5/14/98	1487	277	RTA00000595F.m.11.1	M00001644D:F09
278	5/14/98	1487	278	RTA00000613F.k.05.1	M00004346B:D06
279	5/14/98	1487	279	RTA00000611F.n.15.2	M00004200A:G06

	Priority Appln Information				
SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
280	5/14/98	1487	280	RTA00000609F.m.20.2	M00004085B:G06
281	5/14/98	1487	281	RTA00000609F.c.08.1	M00004051C:D10
282	5/14/98	1487	282	RTA00000586F.k.13.1	M00001491C:C01
283	5/14/98	1487	283	RTA00000595F.i.16.1	M00001623D:A09
284	5/14/98	1487	284	RTA00000588F.j.17.3	M00003839D:G06
285	5/14/98	1487	285	RTA00000610F.i.05.1	M00004129A:H08
286	5/14/98	1487	286	RTA00000596F.o.14.1	M00003762A:D11
287	5/14/98	1487	287	RTA00000583F.e.15.1	M00001347B:H01
288	5/14/98	1487	288	RTA00000584F.a.01.2	M00001376B:C11
289	5/14/98	1487	289	RTA00000597F.c.10.4	M00003773D:C02
290	5/14/98	1487	290	RTA00000595F.d.20.1	M00001604B:D09
291	5/14/98	1487	291	RTA00000609F.m.04.2	M00004084A:D11
292	5/14/98	1487	292	RTA00000589F.b.08.1	M00003988C:A06
293	5/14/98	1487	293	RTA00000583F.k.13.3	M00001362B:A09
294	5/14/98	1487	294	RTA00000606F.b.07.1	M00003825C:B02
295	5/14/98	1487	295	RTA00000583F.a.17.1	M00001339B:A03
296	5/14/98	1487	296	RTA00000611F.o.09.5	M00004201D:E12
297	5/14/98	1487	297	RTA00000610F.j.15.1	M00004134C:B11
298	5/14/98	1487	298	RTA00000608F.e.21.1	M00003985A:C01
299	5/14/98	1487	299	RTA00000614F.k.08.1	M00004467A:F09
300	5/14/98	1487	300	RTA00000610F.p.11.1	M00004153D:E06
301	5/14/98	1487	301	RTA00000595F.l.14.1	M00001639A:A04
302	5/14/98	1487	302	RTA00000596F.m.03.1	M00003752A:B06
303	5/14/98	1487	303	RTA00000595F.n.06.2	M00001647C:C07
304	5/14/98	1487	304	RTA00000596F.e.22.2	M00001679C:F03
305	5/14/98	1487	305	RTA00000607F.c.18.2	M00003905C:E10
306	5/14/98	1487	306	RTA00000597F.o.15.1	M00003819A:B09
307	5/14/98	1487	307	RTA00000584F.f.10.1	M00001387D:C07
308	5/14/98	1487	308	RTA00000597F.b.07.5	M00003771A:G09
309	5/14/98	1487	309	RTA00000584F.m.17.1	M00001403B:A01
310	5/14/98	1487	310	RTA00000608F.g.08.2	M00003989C:F01
311	5/14/98	1487	311	RTA00000587F.o.03.1	M00001575A:H02
312	5/14/98	1487	312	RTA00000597F.m.10.1	M00003812D:E08
313	5/14/98	1487	313	RTA00000596F.l.10.1	M00003749D:G07
314	5/14/98	1487	314	RTA00000584F.h.08.1	M00001391D:A07
315	5/14/98	1487	315	RTA00000587F.f.07.1	M00001543A:F01
316	5/14/98	1487	316	RTA00000595F.b.04.1	M00001589D:G10
317	5/14/98	1487	317	RTA00000590F.d.17.1	M00004345A:H06
318	5/14/98	1487	318	RTA00000612F.l.07.2	M00004268D:G07
319	5/14/98	1487	319	RTA00000607F.e.15.2	M00003911C:G05

	Priority Appln Information				
SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
320	5/14/98	1487	320	RTA00000614F.i.23.1	M00004449D:H01
321	5/14/98	1487	321	RTA00000612F.l.08.2	M00004269A:B11
322	5/14/98	1487	322	RTA00000608F.n.23.1	M00004038C:C05
323	5/14/98	1487	323	RTA00000583F.e.11.1	M00001347A:G06
324	5/14/98	1487	324	RTA00000612F.e.10.3	M00004234B:E03
325	5/14/98	1487	325	RTA00000609F.o.20.1	M00004091C:F04
326	5/14/98	1487	326	RTA00000583F.d.19.1	M00001346B:A07
327	5/14/98	1487	327	RTA00000609F.o.16.2	M00004091B:C12
328	5/14/98	1487	328	RTA00000586F.a.23.1	M00001456C:F02
329	5/14/98	1487	329	RTA00000583F.j.04.3	M00001359A:B07
330	5/14/98	1487	330	RTA00000585F.a.02.3	M00001412D:C03
331	5/14/98	1487	331	RTA00000606F.o.02.1	M00003884B:E06
332	5/14/98	1487	332	RTA00000609F.m.09.2	M00004084C:G04
333	5/14/98	1487	333	RTA00000606F.b.10.1	M00003826B:D01
334	5/14/98	1487	334	RTA00000596F.k.19.1	M00003748B:B06
335	5/14/98	1487	335	RTA00000596F.o.17.1	M00003763B:D03
336	5/14/98	1487	336	RTA00000611F.g.23.1	M00004180B:F04
337	5/14/98	1487	337	RTA00000586F.m.05.1	M00001496D:D02
338	5/14/98	1487	338	RTA00000612F.n.03.2	M00004277B:C06
339	5/14/98	1487	339	RTA00000585F.b.18.3	M00001417B:E01
340	5/14/98	1487	340	RTA00000606F.b.03.1	M00003825B:A05
341	5/14/98	1487	341	RTA00000583F.n.05.1	M00001370B:B04
342	5/14/98	1487	342	RTA00000607F.o.10.2	M00003961B:A12
343	5/14/98	1487	343	RTA00000613F.c.13.1	M00004297D:E08
344	5/14/98	1487	344	RTA00000595F.f.14.1	M00001610B:A01
345	5/14/98	1487	345	RTA00000608F.a.10.3	M00003973A:C05
346	5/14/98	1487	346	RTA00000609F.j.05.3	M00004075A:G10
347	5/14/98	1487	347	RTA00000586F.d.01.1	M00001463C:A01
348	5/14/98	1487	348	RTA00000612F.h.03.3	M00004245A:G09
349	5/14/98	1487	349	RTA00000596F.e.18.2	M00001678D:A12
350	5/14/98	1487	350	RTA00000606F.g.18.1	M00003846B:H02
351	5/14/98	1487	351	RTA00000597F.c.07.4	M00003773B:G08
352	5/14/98	1487	352	RTA00000610F.e.15.1	M00004117B:F01
353	5/14/98	1487	353	RTA00000595F.h.07.1	M00001618C:E06
354	5/14/98	1487	354	RTA00000597F.f.17.1	M00003786D:C06
355	5/14/98	1487	355	RTA00000606F.l.10.1	M00003868B:C07
356	5/14/98	1487	356	RTA00000586F.g.20.1	M00001478A:B06
357	5/14/98	1487	357	RTA00000606F.b.05.1	M00003825B:D12
358	5/14/98	1487	358	RTA00000588F.p.09.2	M00003972B:A11
359	5/14/98	1487	359	RTA00000595F.d.05.1	M00001599A:H09

	Priority Appln Information				
SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
360	5/14/98	1487	360	RTA00000587F.n.19.1	M00001572C:E07
361	5/14/98	1487	361	RTA00000590F.a.02.1	M00004240D:E06
362	5/14/98	1487	362	RTA00000587F.m.18.1	M00001569B:F04
363	5/14/98	1487	363	RTA00000583F.k.09.3	M00001362A:C10
364	5/14/98	1487	364	RTA00000608F.a.23.1	M00003974B:A04
365	5/14/98	1487	365	RTA00000597F.e.22.1	M00003784C:B09
366	5/14/98	1487	366	RTA00000583F.e.21.1	M00001348A:G04
367	5/14/98	1487	367	RTA00000607F.e.20.2	M00003912B:G11
368	5/14/98	1487	368	RTA00000614F.b.16.1	M00004388C:D05
369	5/14/98	1487	369	RTA00000587F.b.03.1	M00001518D:A10
370	5/14/98	1487	370	RTA00000609F.f.02.3	M00004060C:A11
371	5/14/98	1487	371	RTA00000587F.c.20.1	M00001536B:B11
372	5/14/98	1487	372	RTA00000612F.h.05.3	M00004245C:A03
373	5/14/98	1487	373	RTA00000596F.i.13.1	M00001693D:F07
374	5/14/98	1487	374	RTA00000585F.f.01.2	M00001426D:D09
375	5/14/98	1487	375	RTA00000611F.m.07.3	M00004196C:G05
376	5/14/98	1487	376	RTA00000606F.b.08.1	M00003825C:B12
377	5/14/98	1487	377	RTA00000609F.b.10.2	M00004048D:A07
378	5/14/98	1487	378	RTA00000609F.g.13.1	M00004067C:D08
379	5/14/98	1487	379	RTA00000587F.l.11.1	M00001565A:A02
380	5/14/98	1487	380	RTA00000608F.h.07.2	M00003993A:E12
381	5/14/98	1487	381	RTA00000596F.m.21.1	M00003754C:F01
382	5/14/98	1487	382	RTA00000586F.p.11.1	M00001506D:A11
383	5/14/98	1487	383	RTA00000610F.c.01.1	M00004104A:H09
384	5/14/98	1487	384	RTA00000597F.n.10.1	M00003815C:A06
385	5/14/98	1487	385	RTA00000595F.c.14.1	M00001597A:C07
386	5/14/98	1487	386	RTA00000586F.j.09.1	M00001488B:G12
387	5/14/98	1487	387	RTA00000608F.l.20.1	M00004032D:D03
388	5/14/98	1487	388	RTA00000613F.g.13.1	M00004324B:D09
389	5/14/98	1487	389	RTA00000587F.j.21.1	M00001561B:C10
390	5/14/98	1487	390	RTA00000583F.l.16.3	M00001365D:H09
391	5/14/98	1487	391	RTA00000614F.d.16.1	M00004406A:H03
392	5/14/98	1487	392	RTA00000610F.j.11.1	M00004134A:F08
393	5/14/98	1487	393	RTA00000611F.j.11.1	M00004188A:E05
394	5/14/98	1487	394	RTA00000609F.p.14.1	M00004093A:F03
395	5/14/98	1487	395	RTA00000597F.l.18.1	M00003811B:E07
396	5/14/98	1487	396	RTA00000585F.h.03.2	M00001432A:F12
397	5/14/98	1487	397	RTA00000607F.h.23.1	M00003920D:D09
398	5/14/98	1487	398	RTA00000607F.f.23.2	M00003915B:G07
399	5/14/98	1487	399	RTA00000607F.f.18.2	M00003915A:D09

	Priority Appln Information				
SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
400	5/14/98	1487	400	RTA00000609F.i.23.2	M00004073D:B11
401	5/14/98	1487	401	RTA00000612F.f.05.3	M00004236D:F04
402	5/14/98	1487	402	RTA00000597F.o.07.1	M00003818B:A01
403	5/14/98	1487	403	RTA00000611F.o.06.5	M00004201D:C11
404	5/14/98	1487	404	RTA00000589F.e.05.2	M00004051C:D02
405	5/14/98	1487	405	RTA00000584F.o.07.1	M00001407D:H11
406	5/14/98	1487	406	RTA00000608F.e.06.1	M00003983A:D02
407	5/14/98	1487	407	RTA00000595F.a.22.1	M00001588D:H08
408	5/14/98	1487	408	RTA00000611F.c.03.2	M00004164D:D02
409	5/14/98	1487	409	RTA00000585F.c.03.2	M00001418A:C02
410	5/14/98	1487	410	RTA00000611F.b.07.1	M00004161B:A12
411	5/14/98	1487	411	RTA00000587F.g.09.2	M00001546B:H01
412	5/14/98	1487	412	RTA00000611F.c.11.2	M00004165C:E09
413	5/14/98	1487	413	RTA00000610F.c.18.1	M00004108A:D04
414	5/14/98	1487	414	RTA00000611F.i.21.1	M00004186B:E05
415	5/14/98	1487	415	RTA00000597F.e.11.1	M00003782D:F04
416	5/14/98	1487	416	RTA00000586F.m.02.1	M00001496C:H10
417	5/14/98	1487	417	RTA00000585F.b.20.3	M00001417C:A09
418	5/14/98	1487	418	RTA00000606F.n.15.1	M00003881D:D09
419	5/14/98	1487	419	RTA00000611F.h.17.2	M00004183A:D06
420	5/14/98	1487	420	RTA00000609F.c.15.1	M00004052C:A08
421	5/14/98	1487	421	RTA00000614F.m.10.1	M00004497C:E09
422	5/14/98	1487	422	RTA00000612F.c.08.2	M00004218D:F12
423	5/14/98	1487	423	RTA00000613F.h.22.1	M00004332C:E09
424	5/14/98	1487	424	RTA00000587F.f.05.1	M00001543A:D03
425	5/14/98	1487	425	RTA00000585F.k.04.1	M00001438A:H10
426	5/14/98	1487	426	RTA00000585F.k.15.1	M00001439B:F10
427	5/14/98	1487	427	RTA00000609F.p.04.1	M00004092A:D04
428	5/14/98	1487	428	RTA00000585F.j.01.1	M00001435C:H05
429	5/14/98	1487	429	RTA00000587F.a.20.1	M00001517D:C03
430	5/14/98	1487	430	RTA00000609F.f.04.3	M00004060D:A07
431	5/14/98	1487	431	RTA00000611F.k.13.2	M00004190D:A10
432	5/14/98	1487	432	RTA00000586F.f.08.2	M00001471C:G03
433	5/14/98	1487	433	RTA00000585F.i.14.1	M00001435A:G01
434	5/14/98	1487	434	RTA00000614F.b.08.1	M00004385C:B11
435	5/14/98	1487	435	RTA00000609F.o.04.2	M00004089A:G03
436	5/14/98	1487	436	RTA00000583F.n.03.1	M00001370A:B01
437	5/14/98	1487	437	RTA00000584F.j.05.1	M00001396C:G02
438	5/14/98	1487	438	RTA00000608F.a.16.2	M00003973B:H06
439	5/14/98	1487	439	RTA00000583F.b.15.1	M00001341A:A11

	Priority Appln Information				
SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
440	5/14/98	1487	440	RTA00000596F.a.22.1	M00001659D:G08
441	5/14/98	1487	441	RTA00000589F.c.15.1	M00004030A:G12
442	5/14/98	1487	442	RTA00000610F.o.03.1	M00004149B:H12
443	5/14/98	1487	443	RTA00000596F.e.06.2	M00001677A:A12
444	5/14/98	1487	444	RTA00000607F.p.01.2	M00003965A:F07
445	5/14/98	1487	445	RTA00000611F.c.16.2	M00004166A:F02
446	5/14/98	1487	446	RTA00000611F.b.01.1	M00004159D:H07
447	5/14/98	1487	447	RTA00000612F.b.12.2	M00004217A:A11
448	5/14/98	1487	448	RTA00000584F.h.09.1	M00001391D:A09
449	5/14/98	1487	449	RTA00000612F.g.18.3	M00004242C:C02
450	5/14/98	1487	450	RTA00000609F.b.18.2	M00004049D:G04
451	5/14/98	1487	451	RTA00000608F.f.17.1	M00003987D:F06
452	5/14/98	1487	452	RTA00000589F.e.21.2	M00004058B:F12
453	5/14/98	1487	453	RTA00000606F.j.07.1	M00003857C:A03
454	5/14/98	1487	454	RTA00000610F.b.21.1	M00004103C:F11
455	5/14/98	1487	455	RTA00000611F.c.22.2	M00004166D:G07
456	5/14/98	1487	456	RTA00000583F.d.04.1	M00001344D:G11
457	5/14/98	1487	457	RTA00000610F.h.08.1	M00004126B:G02
458	5/14/98	1487	458	RTA00000596F.a.06.1	M00001658B:C07
459	5/14/98	1487	459	RTA00000612F.o.10.2	M00004281B:B05
460	5/14/98	1487	460	RTA00000610F.l.22.1	M00004143A:G12
461	5/14/98	1487	461	RTA00000612F.o.09.2	M00004281B:B03
462	5/14/98	1487	462	RTA00000596F.f.09.2	M00001681A:H09
463	5/14/98	1487	463	RTA00000607F.p.13.2	M00003970A:G10
464	5/14/98	1487	464	RTA00000610F.e.11.1	M00004115C:H04
465	5/14/98	1487	465	RTA00000611F.b.02.1	M00004160A:A01
466	5/14/98	1487	466	RTA00000608F.j.24.1	M00004027C:H01
467	5/14/98	1487	467	RTA00000614F.k.22.1	M00004470C:A02
468	5/14/98	1487	468	RTA00000612F.h.09.3	M00004247A:E01
469	5/14/98	1487	469	RTA00000587F.f.01.1	M00001542C:D10
470	5/14/98	1487	470	RTA00000608F.d.04.1	M00003980C:G10
471	5/14/98	1487	471	RTA00000585F.m.16.2	M00001443D:C03
472	5/14/98	1487	472	RTA00000613F.c.17.1	M00004298B:D04
473	5/14/98	1487	473	RTA00000613F.h.19.1	M00004332B:D02
474	5/14/98	1487	474	RTA00000609F.d.07.1	M00004054B:G02
475	5/14/98	1487	475	RTA00000606F.o.17.1	M00003887B:C03
476	5/14/98	1487	476	RTA00000585F.n.10.1	M00001445B:E03
477	5/14/98	1487	477	RTA00000612F.p.04.2	M00004284B:F07
478	5/14/98	1487	478	RTA00000589F.c.02.1	M00003997B:H04
479	5/14/98	1487	479	RTA00000608F.p.16.1	M00004044A:F08

	Priority Appln Information				
SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
480	5/14/98	1487	480	RTA00000597F.n.12.1	M00003815D:D01
481	5/14/98	1487	481	RTA00000608F.l.10.1	M00004031A:G05
482	5/14/98	1487	482	RTA00000606F.o.05.1	M00003884D:A12
483	5/14/98	1487	483	RTA00000587F.j.05.1	M00001558B:A12
484	5/14/98	1487	484	RTA00000584F.d.15.1	M00001384A:C09
485	5/14/98	1487	485	RTA00000612F.n.22.1	M00004279D:E02
486	5/14/98	1487	486	RTA00000585F.m.13.2	M00001443D:A01
487	5/14/98	1487	487	RTA00000586F.m.22.1	M00001500A:D09
488	5/14/98	1487	488	RTA00000608F.i.17.1	M00003997D:G11
489	5/14/98	1487	489	RTA00000614F.k.04.1	M00004466A:E09
490	5/14/98	1487	490	RTA00000608F.n.15.1	M00004037C:C05
491	5/14/98	1487	491	RTA00000610F.m.06.1	M00004143C:F08
492	5/14/98	1487	492	RTA00000585F.d.12.2	M00001422D:D02
493	5/14/98	1487	493	RTA00000608F.b.19.1	M00003976D:D12
494	5/14/98	1487	494	RTA00000596F.k.06.1	M00003745C:E03
495	5/14/98	1487	495	RTA00000609F.o.14.2	M00004091A:E01
496	5/14/98	1487	496	RTA00000607F.m.14.1	M00003949B:A08
497	5/14/98	1487	497	RTA00000606F.f.08.1	M00003841B:D05
498	5/14/98	1487	498	RTA00000583F.l.14.3	M00001365D:D12
499	5/14/98	1487	499	RTA00000614F.g.04.1	M00004419D:G01
500	5/14/98	1487	500	RTA00000610F.m.21.1	M00004145C:A03
501	5/14/98	1487	501	RTA00000585F.d.16.1	M00001423C:D06
502	5/14/98	1487	502	RTA00000588F.o.05.2	M00003918C:E07
503	5/14/98	1487	503	RTA00000585F.b.04.3	M00001415D:E12
504	5/14/98	1487	504	RTA00000588F.d.21.1	M00001687C:A06
505	5/14/98	1487	505	RTA00000595F.g.16.1	M00001614C:G04
506	5/14/98	1487	506	RTA00000612F.i.18.2	M00004253B:F06
507	5/14/98	1487	507	RTA00000612F.e.12.1	M00004234B:G06
508	5/14/98	1487	508	RTA00000583F.p.08.1	M00001374D:D09
509	5/14/98	1487	509	RTA00000608F.b.04.1	M00003974C:A05
510	5/14/98	1487	510	RTA00000596F.l.07.1	M00003749B:C08
511	5/14/98	1487	511	RTA00000597F.l.02.1	M00003809A:H12
512	5/14/98	1487	512	RTA00000595F.j.05.1	M00001626C:C10
513	5/14/98	1487	513	RTA00000586F.k.18.1	M00001491D:E07
514	5/14/98	1487	514	RTA00000608F.p.07.1	M00004041D:E06
515	5/14/98	1487	515	RTA00000596F.m.07.1	M00003752D:D09
516	5/14/98	1487	516	RTA00000588F.l.20.2	M00003859C:B09
517	5/14/98	1487	517	RTA00000614F.a.20.1	M00004383A:F02
518	5/14/98	1487	518	RTA00000597F.i.20.1	M00003799B:D02
519	5/14/98	1487	519	RTA00000611F.n.14.3	M00004200A:A09

	Priority Appln Information				
SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
520	5/14/98	1487	520	RTA00000586F.m.10.1	M00001499A:D01
521	5/14/98	1487	521	RTA00000607F.i.06.4	M00003921D:C06
522	5/14/98	1487	522	RTA00000585F.p.19.2	M00001453B:F08
523	5/14/98	1487	523	RTA00000583F.c.06.1	M00001342C:A04
524	5/14/98	1487	524	RTA00000595F.p.20.1	M00001656D:F11
525	5/14/98	1487	525	RTA00000606F.g.02.1	M00003844C:D04
526	5/14/98	1487	526	RTA00000606F.d.10.1	M00003834A:A03
527	5/14/98	1487	527	RTA00000597F.f.21.1	M00003787B:D07
528	5/14/98	1487	528	RTA00000613F.h.17.1	M00004331D:H08
529	5/14/98	1487	529	RTA00000612F.h.19.3	M00004249D:G02
530	5/14/98	1487	530	RTA00000589F.h.23.1	M00004091B:G04
531	5/14/98	1487	531	RTA00000614F.e.06.1	M00004408D:A10
532	5/14/98	1487	532	RTA00000612F.j.20.2	M00004262C:C01
533	5/14/98	1487	533	RTA00000597F.m.07.1	M00003812B:F08
534	5/14/98	1487	534	RTA00000589F.j.08.1	M00004115A:F01
535	5/14/98	1487	535	RTA00000609F.g.16.1	M00004068A:F02
536	5/14/98	1487	536	RTA00000587F.i.18.1	M00001556D:A11
537	5/14/98	1487	537	RTA00000610F.c.05.1	M00004104D:C09
538	5/14/98	1487	538	RTA00000607F.o.16.2	M00003963B:D12
539	5/14/98	1487	539	RTA00000585F.i.08.1	M00001434C:D05
540	5/14/98	1487	540	RTA00000584F.a.15.2	M00001377A:E01
541	5/14/98	1487	541	RTA00000611F.p.24.2	M00004210A:B09
542	5/14/98	1487	542	RTA00000607F.a.13.3	M00003893C:D12
543	5/14/98	1487	543	RTA00000612F.f.03.1	M00004236D:E07
544	5/14/98	1487	544	RTA00000606F.p.14.1	M00003890B:H07
545	5/14/98	1487	545	RTA00000612F.j.17.2	M00004260C:E10
546	5/14/98	1487	546	RTA00000585F.c.24.2	M00001421A:H07
547	5/14/98	1487	547	RTA00000607F.i.24.2	M00003926B:E03
548	5/14/98	1487	548	RTA00000609F.e.15.3	M00004058C:E08
549	5/14/98	1487	549	RTA00000584F.p.18.1	M00001411C:G02
550	5/14/98	1487	550	RTA00000610F.i.10.1	M00004130C:A09
551	5/14/98	1487	551	RTA00000585F.b.17.3	M00001417B:C07
552	5/14/98	1487	552	RTA00000586F.o.12.1	M00001504C:H11
553	5/14/98	1487	553	RTA00000608F.g.24.1	M00003992C:G01
554	5/14/98	1487	554	RTA00000584F.e.20.1	M00001387A:A04
555	5/14/98	1487	555	RTA00000588F.j.23.3	M00003843A:B01
556	5/14/98	1487	556	RTA00000585F.b.21.3	M00001417C:E02
557	5/14/98	1487	557	RTA00000584F.o.08.1	M00001408A:B02
558	5/14/98	1487	558	RTA00000587F.k.22.1	M00001563C:D06
559	5/14/98	1487	559	RTA00000608F.a.07.3	M00003972C:F02

	Priority Appln Information				
SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
560	5/14/98	1487	560	RTA00000597F.c.04.4	M00003773B:E09
561	5/14/98	1487	561	RTA00000596F.c.06.1	M00001669B:A03
562	5/14/98	1487	562	RTA00000588F.o.01.2	M00003912C:H01
563	5/14/98	1487	563	RTA00000597F.i.16.1	M00003797D:H06
564	5/14/98	1487	564	RTA00000583F.n.07.1	M00001370B:D04
565	5/14/98	1487	565	RTA00000597F.f.07.1	M00003785D:E01
566	5/14/98	1487	566	RTA00000587F.f.06.1	M00001543A:E04
567	5/14/98	1487	567	RTA00000614F.o.11.1	M00004509A:H02
568	5/14/98	1487	568	RTA00000597F.b.16.5	M00003771D:A10
569	5/14/98	1487	569	RTA00000608F.m.19.1	M00004035B:H11
570	5/14/98	1487	570	RTA00000597F.k.21.1	M00003808C:D09
571	5/14/98	1487	571	RTA00000584F.o.13.1	M00001409C:D01
572	5/14/98	1487	572	RTA00000588F.n.10.3	M00003895D:A03
573	5/14/98	1487	573	RTA00000589F.h.17.1	M00004089A:F02
574	5/14/98	1487	574	RTA00000609F.h.13.1	M00004069D:G02
575	5/14/98	1487	575	RTA00000608F.p.15.1	M00004043D:C10
576	5/14/98	1487	576	RTA00000595F.l.16.1	M00001640A:F02
577	5/14/98	1487	577	RTA00000585F.j.21.1	M00001437B:B05
578	5/14/98	1487	578	RTA00000595F.o.01.2	M00001649B:E08
579	5/14/98	1487	579	RTA00000606F.c.03.1	M00003829A:B08
580	5/14/98	1487	580	RTA00000583F.n.04.1	M00001370A:G09
581	5/14/98	1487	581	RTA00000596F.p.20.1	M00003766B:G04
582	5/14/98	1487	582	RTA00000611F.c.20.2	M00004166C:A03
583	5/14/98	1487	583	RTA00000584F.l.19.1	M00001399D:F09
584	5/14/98	1487	584	RTA00000589F.p.23.1	M00004239C:A07
585	5/14/98	1487	585	RTA00000607F.c.09.2	M00003903C:H03
586	5/14/98	1487	586	RTA00000585F.p.23.2	M00001453D:F09
587	5/14/98	1487	587	RTA00000596F.j.13.1	M00003741A:E01
588	5/14/98	1487	588	RTA00000584F.m.03.1	M00001400D:B08
589	5/14/98	1487	589	RTA00000595F.o.03.2	M00001649D:H05
590	5/14/98	1487	590	RTA00000589F.j.03.1	M00004109B:A01
591	5/14/98	1487	591	RTA00000610F.c.14.1	M00004107C:A01
592	5/14/98	1487	592	RTA00000614F.f.02.1	M00004412B:E03
593	5/14/98	1487	593	RTA00000608F.b.23.1	M00003977C:A08
594	5/14/98	1487	594	RTA00000597F.i.06.1	M00003796B:C07
595	5/14/98	1487	595	RTA00000609F.n.20.1	M00004087C:F05
596	5/14/98	1487	596	RTA00000597F.c.08.2	M00003773C:G06
597	5/14/98	1487	597	RTA00000612F.c.05.2	M00004218C:G10
598	5/14/98	1487	598	RTA00000589F.o.14.1	M00004202B:A02
599	5/14/98	1487	599	RTA00000609F.h.15.1	M00004071A:H03

	Priority Appln Information				
SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
600	5/14/98	1487	600	RTA00000596F.p.15.1	M00003765D:E02
601	5/14/98	1487	601	RTA00000597F.k.22.1	M00003809A:A12
602	5/14/98	1487	602	RTA00000608F.k.09.1	M00004028C:D01
603	5/14/98	1487	603	RTA00000612F.p.23.2	M00004287C:B06
604	5/14/98	1487	604	RTA00000610F.n.02.1	M00004146D:A07
605	5/14/98	1487	605	RTA00000587F.h.19.2	M00001551D:C12
606	5/14/98	1487	606	RTA00000607F.k.18.1	M00003934D:F01
607	5/14/98	1487	607	RTA00000588F.m.10.3	M00003868D:F07
608	5/14/98	1487	608	RTA00000612F.p.21.1	M00004287B:B12
609	5/14/98	1487	609	RTA00000585F.m.08.1	M00001443A:E02
610	5/14/98	1487	610	RTA00000612F.d.01.1	M00004225D:F01
611	5/14/98	1487	611	RTA00000596F.d.20.1	M00001675C:B03
612	5/14/98	1487	612	RTA00000611F.k.12.2	M00004190C:G07
613	5/14/98	1487	613	RTA00000612F.j.11.2	M00004257C:A08
614	5/14/98	1487	614	RTA00000614F.j.16.1	M00004463C:F11
615	5/14/98	1487	615	RTA00000611F.k.15.3	M00004190D:G12
616	5/14/98	1487	616	RTA00000612F.j.01.2	M00004253D:F09
617	5/14/98	1487	617	RTA00000606F.o.23.1	M00003888B:A10
618	5/14/98	1487	618	RTA00000606F.i.13.1	M00003852D:D03
619	5/14/98	1487	619	RTA00000588F.i.22.3	M00003833D:D06
620	5/14/98	1487	620	RTA00000585F.j.03.1	M00001435D:A06
621	5/14/98	1487	621	RTA00000608F.i.21.1	M00003998A:G12
622	5/14/98	1487	622	RTA00000584F.o.02.1	M00001406D:B06
623	5/14/98	1487	623	RTA00000608F.m.17.1	M00004035B:F05
624	5/14/98	1487	624	RTA00000612F.k.08.2	M00004263D:F06
625	5/14/98	1487	625	RTA00000608F.p.20.1	M00004045A:B12
626	5/14/98	1487	626	RTA00000610F.n.07.1	M00004147A:G03
627	5/14/98	1487	627	RTA00000608F.j.17.1	M00004027A:B10
628	5/14/98	1487	628	RTA00000596F.n.23.1	M00003759A:E10
629	5/14/98	1487	629	RTA00000612F.a.17.2	M00004214A:D03
630	5/14/98	1487	630	RTA00000612F.i.17.2	M00004253B:A10
631	5/14/98	1487	631	RTA00000585F.p.15.2	M00001452D:E05
632	5/14/98	1487	632	RTA00000614F.m.15.1	M00004498B:E01
633	5/14/98	1487	633	RTA00000607F.a.08.3	M00003892D:D04
634	5/14/98	1487	634	RTA00000606F.p.16.1	M00003890D:C03
635	5/14/98	1487	635	RTA00000610F.j.12.1	M00004134A:H04
636	5/14/98	1487	636	RTA00000608F.o.16.1	M00004040C:G12
637	5/14/98	1487	637	RTA00000588F.o.20.2	M00003958C:C10
638	5/14/98	1487	638	RTA00000585F.p.06.2	M00001451B:H11
639	5/14/98	1487	639	RTA00000610F.j.05.1	M00004133D:A01

	Priority Appln Information				
SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
640	5/14/98	1487	640	RTA00000606F.e.17.1	M00003839C:B05
641	5/14/98	1487	641	RTA00000609F.n.05.1	M00004086A:A03
642	5/14/98	1487	642	RTA00000614F.p.22.1	M00004609C:C11
643	5/14/98	1487	643	RTA00000585F.h.16.2	M00001433A:F04
644	5/14/98	1487	644	RTA00000611F.n.02.3	M00004198D:H04
645	5/14/98	1487	645	RTA00000614F.p.06.1	M00004605C:A09
646	5/14/98	1487	646	RTA00000584F.l.17.1	M00001399D:F01
647	5/14/98	1487	647	RTA00000584F.p.17.1	M00001411C:F02
648	5/14/98	1487	648	RTA00000595F.l.17.1	M00001640A:F04
649	5/14/98	1487	649	RTA00000583F.h.07.1	M00001353B:D11
650	5/14/98	1487	650	RTA00000585F.l.19.1	M00001442A:D08
651	5/14/98	1487	651	RTA00000610F.i.13.1	M00004130D:E04
652	5/14/98	1487	652	RTA00000608F.n.05.1	M00004036B:F09
653	5/14/98	1487	653	RTA00000612F.m.19.1	M00004276C:E12
654	5/14/98	1487	654	RTA00000595F.h.22.1	M00001621C:A04
655	5/14/98	1487	655	RTA00000608F.j.12.1	M00003999C:C12
656	5/14/98	1487	656	RTA00000608F.k.07.2	M00004028C:B04
657	5/14/98	1487	657	RTA00000608F.o.12.1	M00004040B:B09
658	5/14/98	1487	658	RTA00000597F.a.08.5	M00003767C:F04
659	5/14/98	1487	659	RTA00000585F.i.23.1	M00001435C:G08
660	5/14/98	1487	660	RTA00000586F.j.06.1	M00001487D:G03
661	5/14/98	1487	661	RTA00000608F.b.15.1	M00003976C:C05
662	5/14/98	1487	662	RTA00000609F.h.06.1	M00004069B:B01
663	5/14/98	1487	663	RTA00000612F.h.13.3	M00004248A:G08
664	5/14/98	1487	664	RTA00000611F.j.08.1	M00004187C:H09
665	5/14/98	1487	665	RTA00000609F.j.18.1	M00004076A:E02
666	5/14/98	1487	666	RTA00000608F.p.01.1	M00004041B:F01
667	5/14/98	1487	667	RTA00000584F.m.16.1	M00001402D:H03
668	5/14/98	1487	668	RTA00000589F.d.04.1	M00004036C:D01
669	5/14/98	1487	669	RTA00000612F.p.12.2	M00004285B:E01
670	5/14/98	1487	670	RTA00000589F.e.09.1	M00004052C:B05
671	5/14/98	1487	671	RTA00000584F.m.11.1	M00001402C:E09
672	5/14/98	1487	672	RTA00000595F.i.18.1	M00001624A:A09
673	5/14/98	1487	673	RTA00000609F.k.04.2	M00004078A:F03
674	5/14/98	1487	674	RTA00000611F.n.17.2	M00004200B:B04
675	5/14/98	1487	675	RTA00000595F.j.03.1	M00001626B:H05
676	5/14/98	1487	676	RTA00000611F.o.11.3	M00004202B:F04
677	5/14/98	1487	677	RTA00000597F.e.16.1	M00003783C:A06
678	5/14/98	1487	678	RTA00000583F.d.16.1	M00001346A:B09
679	5/14/98	1487	679	RTA00000589F.l.24.1	M00004159D:C04

	Priority Appln Information				
SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
680	5/14/98	1487	680	RTA00000597F.a.17.2	M00003769B:A04
681	5/14/98	1487	681	RTA00000584F.p.22.1	M00001412A:A11
682	5/14/98	1487	682	RTA00000587F.i.23.1	M00001557B:D10
683	5/14/98	1487	683	RTA00000612F.l.16.2	M00004269D:E08
684	5/14/98	1487	684	RTA00000584F.c.01.1	M00001380C:D10
685	5/14/98	1487	685	RTA00000606F.g.21.1	M00003846D:C12
686	5/14/98	1487	686	RTA00000611F.j.12.1	M00004188A:E10
687	5/14/98	1487	687	RTA00000585F.h.10.2	M00001432C:G01
688	5/14/98	1487	688	RTA00000585F.h.10.1	M00001432C:G01
689	5/14/98	1487	689	RTA00000587F.j.15.1	M00001560C:C01
690	5/14/98	1487	690	RTA00000608F.o.06.1	M00004039D:D03
691	5/14/98	1487	691	RTA00000596F.e.05.2	M00001677A:A06
692	5/14/98	1487	692	RTA00000584F.p.07.1	M00001411A:D01
693	5/14/98	1487	693	RTA00000612F.i.13.2	M00004252D:H08
694	5/14/98	1487	694	RTA00000607F.i.14.4	M00003923A:H07
695	5/14/98	1487	695	RTA00000595F.m.17.2	M00001645B:C09
696	5/14/98	1487	696	RTA00000595F.i.02.1	M00001621D:B09
697	5/14/98	1487	697	RTA00000585F.p.12.2	M00001452B:F09
698	5/14/98	1487	698	RTA00000589F.m.02.1	M00004160A:D07
699	5/14/98	1487	699	RTA00000595F.p.11.1	M00001655A:F07
700	5/14/98	1487	700	RTA00000589F.o.15.1	M00004202B:G09
701	5/14/98	1487	701	RTA00000609F.e.12.3	M00004058B:C11
702	5/14/98	1487	702	RTA00000588F.l.13.2	M00003858A:D01
703	5/14/98	1487	703	RTA00000608F.f.22.2	M00003988B:C10
704	5/14/98	1487	704	RTA00000612F.i.11.2	M00004252D:A07
705	5/14/98	1487	705	RTA00000590F.b.13.1	M00004277D:C08
706	5/14/98	1487	706	RTA00000609F.a.21.2	M00004047B:G09
707	5/14/98	1487	707	RTA00000586F.e.12.1	M00001468D:D11
708	5/14/98	1487	708	RTA00000595F.k.10.1	M00001634C:E12
709	5/14/98	1487	709	RTA00000583F.e.02.1	M00001346C:B07
710	5/14/98	1487	710	RTA00000589F.d.01.1	M00004035D:C05
711	5/14/98	1487	711	RTA00000584F.n.14.1	M00001406A:G12
712	5/14/98	1487	712	RTA00000612F.k.21.2	M00004266B:H06
713	5/14/98	1487	713	RTA00000612F.m.05.1	M00004272D:D02
714	5/14/98	1487	714	RTA00000584F.a.20.2	M00001377C:B08
715	5/14/98	1487	715	RTA00000612F.b.11.2	M00004217A:A05
716	5/14/98	1487	716	RTA00000610F.h.13.1	M00004126D:B11
717	5/14/98	1487	717	RTA00000611F.d.04.1	M00004167C:F10
718	5/14/98	1487	718	RTA00000607F.f.12.2	M00003914C:E03
719	5/14/98	1487	719	RTA00000586F.j.10.1	M00001488B:H02

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	Priority Appln Information				
SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
720	5/14/98	1487	720	RTA00000584F.p.20.1	M00001411D:C01
721	5/14/98	1487	721	RTA00000612F.i.19.2	M00004253C:E10
722	5/14/98	1487	722	RTA00000608F.i.09.1	M00003996D:C04
723	5/14/98	1487	723	RTA00000584F.g.09.1	M00001390A:H01
724	5/14/98	1487	724	RTA00000584F.n.12.1	M00001405D:F05
725	5/14/98	1487	725	RTA00000584F.j.12.1	M00001397B:H11
726	5/14/98	1487	726	RTA00000611F.h.21.2	M00004183D:B07
727	5/14/98	1487	727	RTA00000606F.l.23.1	M00003871A:E09
728	5/14/98	1487	728	RTA00000585F.b.01.3	M00001415D:A05
729	5/14/98	1487	729	RTA00000595F.i.13.1	M00001623B:B01
730	5/14/98	1487	730	RTA00000589F.l.22.1	M00004158C:F03
731	5/14/98	1487	731	RTA00000608F.l.14.1	M00004031D:G02
732	5/14/98	1487	732	RTA00000614F.k.18.1	M00004469A:C12
733	5/14/98	1487	733	RTA00000609F.g.19.1	M00004068B:D04
734	5/14/98	1487	734	RTA00000606F.g.05.1	M00003845A:A05
735	5/14/98	1487	735	RTA00000585F.i.03.1	M00001434A:A01
736	5/14/98	1487	736	RTA00000590F.a.15.1	M00004247B:C11
737	5/14/98	1487	737	RTA00000612F.j.15.2	M00004260C:A12
738	5/14/98	1487	738	RTA00000612F.g.13.3	M00004241B:B01
739	5/14/98	1487	739	RTA00000606F.d.21.1	M00003835D:H05
740	5/14/98	1487	740	RTA00000584F.b.06.1	M00001378B:F06
741	5/14/98	1487	741	RTA00000614F.e.17.1	M00004410A:E03
742	5/14/98	1487	742	RTA00000612F.a.13.2	M00004213A:H12
743	5/14/98	1487	743	RTA00000585F.o.10.2	M00001448A:D05
744	5/14/98	1487	744	RTA00000588F.i.14.3	M00003830A:A10
745	5/14/98	1487	745	RTA00000595F.e.10.1	M00001605D:G01
746	5/14/98	1487	746	RTA00000584F.b.06.2	M00001378B:F06
747	5/14/98	1487	747	RTA00000608F.j.05.1	M00003998C:H10
748	5/14/98	1487	748	RTA00000611F.j.24.2	M00004190A:C12
749	5/14/98	1487	749	RTA00000606F.h.12.1	M00003850B:D11
750	5/14/98	1487	750	RTA00000608F.c.22.1	M00003980B:F12
751	5/14/98	1487	751	RTA00000588F.b.03.1	M00001618B:F02
752	5/15/98	1488	1	RTA00000623F.c.23.1	M00007118C:G2
753	5/15/98	1488	2	RTA00000592F.e.05.1	M00005799C:C12
754	5/15/98	1488	3	RTA00000590F.p.04.1	M00005390B:G10
755	5/15/98	1488	4	RTA00000621F.m.13.1	M00006986C:G11
756	5/15/98	1488	5	RTA00000625F.n.12.1	M00006604C:H10
757	5/15/98	1488	6	RTA00000624F.b.01.1	M00005539D:G7
758	5/15/98	1488	7	RTA00000618F.h.12.1	M00006698B:E6
759	5/15/98	1488	8	RTA00000615F.h.16.1	M00005015D:D11

	Priority Appln Information				
SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
760	5/15/98	1488	9	RTA00000618F.l.23.1	M00006721C:G7
761	5/15/98	1488	10	RTA00000619F.n.10.3	M00006820A:G5
762	5/15/98	1488	11	RTA00000621F.o.06.1	M00006992C:G2
763	5/15/98	1488	12	RTA00000619F.c.17.1	M00006756D:E10
764	5/15/98	1488	13	RTA00000615F.i.14.1	M00005294D:H2
765	5/15/98	1488	14	RTA00000617F.k.23.1	M00005496D:A10
766	5/15/98	1488	15	RTA00000623F.e.05.1	M00007125D:E3
767	5/15/98	1488	16	RTA00000617F.c.04.1	M00005456B:B7
768	5/15/98	1488	17	RTA00000623F.a.23.1	M00007107A:D11
769	5/15/98	1488	18	RTA00000619F.f.15.1	M00006770B:C5
770	5/15/98	1488	19	RTA00000626F.f.07.1	M00006650A:A10
771	5/15/98	1488	20	RTA00000624F.h.14.1	M00005621D:F1
772	5/15/98	1488	21	RTA00000617F.f.09.2	M00005469D:C11
773	5/15/98	1488	22	RTA00000620F.b.02.1	M00006835B:F4
774	5/15/98	1488	23	RTA00000616F.k.05.1	M00005415D:G2
775	5/15/98	1488	24	RTA00000617F.a.01.1	M00005447B:D2
776	5/15/98	1488	25	RTA00000592F.f.23.1	M00006587A:H8
777	5/15/98	1488	26	RTA00000623F.h.17.1	M00007150A:C9
778	5/15/98	1488	27	RTA00000622F.b.02.1	M00007010B:H1
779	5/15/98	1488	28	RTA00000621F.p.05.1	M00006995C:A2
780	5/15/98	1488	29	RTA00000620F.j.05.1	M00006884D:D6
781	5/15/98	1488	30	RTA00000623F.h.20.1	M00007150A:H6
782	5/15/98	1488	31	RTA00000590F.p.21.1	M00005399A:D1
783	5/15/98	1488	32	RTA00000622F.c.03.1	M00007013B:F2
784	5/15/98	1488	33	RTA00000623F.f.06.1	M00007132B:B11
785	5/15/98	1488	34	RTA00000617F.e.23.2	M00005468A:D8
786	5/15/98	1488	35	RTA00000623F.n.17.1	M00007204C:F9
787	5/15/98	1488	36	RTA00000619F.a.12.1	M00006743B:G12
788	5/15/98	1488	37	RTA00000621F.n.06.1	M00006989B:C11
789	5/15/98	1488	38	RTA00000623F.a.18.1	M00007105D:C7
790	5/15/98	1488	39	RTA00000624F.a.15.1	M00005534B:H10
791	5/15/98	1488	40	RTA00000625F.h.04.1	M00005810C:D4
792	5/15/98	1488	41	RTA00000591F.g.05.1	M00005460B:D2
793	5/15/98	1488	42	RTA00000620F.i.14.1	M00006882A:D1
794	5/15/98	1488	43	RTA00000624F.a.14.1	M00005534A:G6
795	5/15/98	1488	44	RTA00000621F.h.14.1	M00006960D:E6
796	5/15/98	1488	45	RTA00000617F.k.19.1	M00005494D:F11
797	5/15/98	1488	46	RTA00000625F.d.17.1	M00005763B:H9
798	5/15/98	1488	47	RTA00000620F.l.13.1	M00006901D:A11
799	5/15/98	1488	48	RTA00000623F.g.04.1	M00007140A:F11

	Priority Appln Information				
SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
800	5/15/98	1488	49	RTA00000622F.b.03.1	M00007010B:H3
801	5/15/98	1488	50	RTA00000615F.k.17.1	M00005342A:C4
802	5/15/98	1488	51	RTA00000618F.m.11.1	M00006725A:A3
803	5/15/98	1488	52	RTA00000618F.e.06.1	M00006686A:G12
804	5/15/98	1488	53	RTA00000619F.k.08.1	M00006805B:C4
805	5/15/98	1488	54	RTA00000590F.h.23.2	M00004840C:F2
806	5/15/98	1488	55	RTA00000622F.c.09.1	M00007014C:B7
807	5/15/98	1488	56	RTA00000619F.h.17.1	M00006785B:F9
808	5/15/98	1488	57	RTA00000617F.d.01.1	M00005460A:B10
809	5/15/98	1488	58	RTA00000620F.b.17.1	M00006837C:G6
810	5/15/98	1488	59	RTA00000616F.c.13.1	M00005383D:D6
811	5/15/98	1488	60	RTA00000619F.g.16.1	M00006779B:A11
812	5/15/98	1488	61	RTA00000591F.i.12.1	M00005480A:H12
813	5/15/98	1488	62	RTA00000615F.b.20.1	M00004846A:D2
814	5/15/98	1488	63	RTA00000615F.l.18.1	M00005352C:G9
815	5/15/98	1488	64	RTA00000591F.m.19.1	M00005519B:H4
816	5/15/98	1488	65	RTA00000620F.i.10.1	M00006879A:H11
817	5/15/98	1488	66	RTA00000618F.o.02.1	M00006733D:G12
818	5/15/98	1488	67	RTA00000620F.c.18.1	M00006846A:B1
819	5/15/98	1488	68	RTA00000624F.a.07.1	M00005530B:D3
820	5/15/98	1488	69	RTA00000592F.c.10.1	M00005704A:B11
821	5/15/98	1488	70	RTA00000618F.c.04.1	M00006676B:F11
822	5/15/98	1488	71	RTA00000591F.f.04.1	M00005452C:A2
823	5/15/98	1488	72	RTA00000617F.k.22.1	M00005496C:A1
824	5/15/98	1488	73	RTA00000626F.e.02.1	M00006644A:B11
825	5/15/98	1488	74	RTA00000592F.d.09.1	M00005765C:C4
826	5/15/98	1488	75	RTA00000615F.n.23.1	M00005359D:H8
827	5/15/98	1488	76	RTA00000591F.i.15.1	M00005480C:B12
828	5/15/98	1488	77	RTA00000624F.a.11.1	M00005531B:A3
829	5/15/98	1488	78	RTA00000590F.i.01.1	M00004841C:B9
830	5/15/98	1488	79	RTA00000626F.d.05.1	M00006640A:B1
831	5/15/98	1488	80	RTA00000591F.e.19.1	M00005450A:B10
832	5/15/98	1488	81	RTA00000625F.m.06.1	M00006594A:E8
833	5/15/98	1488	82	RTA00000615F.k.22.1	M00005342B:G10
834	5/15/98	1488	83	RTA00000615F.m.11.1	M00005354C:E2
835	5/15/98	1488	84	RTA00000624F.j.16.1	M00005631A:A11
836	5/15/98	1488	85	RTA00000626F.d.07.1	M00006640B:F5
837	5/15/98	1488	86	RTA00000620F.p.19.1	M00006923C:B1
838	5/15/98	1488	87	RTA00000615F.f.10.1	M00004999A:F1
839	5/15/98	1488	88	RTA00000615F.b.19.1	M00004845D:E11

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	Priority Appln Information				
SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
840	5/15/98	1488	89	RTA00000626F.a.07.1	M00006626A:G11
841	5/15/98	1488	90	RTA00000592F.b.20.1	M00005685B:D8
842	5/15/98	1488	91	RTA00000622F.p.16.1	M00007100C:D1
843	5/15/98	1488	92	RTA00000620F.a.16.1	M00006834A:C8
844	5/15/98	1488	93	RTA00000623F.e.21.1	M00007130B:B3
845	5/15/98	1488	94	RTA00000619F.k.05.1	M00006805A:E11
846	5/15/98	1488	95	RTA00000626F.c.10.1	M00006636D:A5
847	5/15/98	1488	96	RTA00000619F.i.13.1	M00006791B:B8
848	5/15/98	1488	97	RTA00000620F.k.22.1	M00006895D:E10
849	5/15/98	1488	98	RTA00000617F.a.17.1	M00005450D:D2
850	5/15/98	1488	99	RTA00000617F.c.18.1	M00005457D:C8
851	5/15/98	1488	100	RTA00000626F.g.12.1	M00006664B:B4
852	5/15/98	1488	101	RTA00000617F.j.11.1	M00005489A:F6
853	5/15/98	1488	102	RTA00000621F.c.11.1	M00006936B:E9
854	5/15/98	1488	103	RTA00000623F.f.12.1	M00007134B:G7
855	5/15/98	1488	104	RTA00000626F.g.17.1	M00006665A:F7
856	5/15/98	1488	105	RTA00000619F.o.06.4	M00006823D:D12
857	5/15/98	1488	106	RTA00000625F.j.10.1	M00005837A:D12
858	5/15/98	1488	107	RTA00000620F.k.12.1	M00006893C:F2
859	5/15/98	1488	108	RTA00000625F.j.06.1	M00005828D:C9
860	5/15/98	1488	109	RTA00000616F.b.12.1	M00005378A:A8
861	5/15/98	1488	110	RTA00000620F.d.04.1	M00006850C:G7
862	5/15/98	1488	111	RTA00000624F.n.20.1	M00005655D:C4
863	5/15/98	1488	112	RTA00000620F.m.14.1	M00006907C:D3
864	5/15/98	1488	113	RTA00000625F.m.15.1	M00006596D:H4
865	5/15/98	1488	114	RTA00000619F.g.19.1	M00006779D:D3
866	5/15/98	1488	115	RTA00000626F.b.10.1	M00006633D:A6
867	5/15/98	1488	116	RTA00000618F.c.23.1	M00006679C:D7
868	5/15/98	1488	117	RTA00000591F.o.17.1	M00005616B:D5
869	5/15/98	1488	118	RTA00000615F.b.23.1	M00004846D:H9
870	5/15/98	1488	119	RTA00000616F.e.20.1	M00005394A:G7
871	5/15/98	1488	120	RTA00000625F.b.23.1	M00005720B:D9
872	5/15/98	1488	121	RTA00000616F.i.13.4	M00005409D:C2
873	5/15/98	1488	122	RTA00000624F.l.02.1	M00005637D:C5
874	5/15/98	1488	123	RTA00000619F.b.06.1	M00006745D:E8
875	5/15/98	1488	124	RTA00000626F.b.23.1	M00006636A:E6
876	5/15/98	1488	125	RTA00000615F.k.24.1	M00005342D:F3
877	5/15/98	1488	126	RTA00000621F.h.22.1	M00006963A:H11
878	5/15/98	1488	127	RTA00000626F.b.05.1	M00006631D:C4
879	5/15/98	1488	128	RTA00000621F.i.20.2	M00006966D:G3

	Priority Appln Information				
SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
880	5/15/98	1488	129	RTA00000624F.m.10.1	M00005646D:B3
881	5/15/98	1488	130	RTA00000623F.m.19.1	M00007198C:A10
882	5/15/98	1488	131	RTA00000622F.c.12.1	M00007014D:D4
883	5/15/98	1488	132	RTA00000617F.i.08.1	M00005483D:A2
884	5/15/98	1488	133	RTA00000625F.b.07.1	M00005710A:C8
885	5/15/98	1488	134	RTA00000620F.f.23.1	M00006867C:E7
886	5/15/98	1488	135	RTA00000620F.f.15.1	M00006866C:F3
887	5/15/98	1488	136	RTA00000621F.k.17.1	M00006974B:D6
888	5/15/98	1488	137	RTA00000625F.h.18.1	M00005813D:F6
889	5/15/98	1488	138	RTA00000622F.p.17.1	M00007101A:A11
890	5/15/98	1488	139	RTA00000620F.d.08.1	M00006851C:H9
891	5/15/98	1488	140	RTA00000621F.i.14.2	M00006966B:B9
892	5/15/98	1488	141	RTA00000625F.j.19.1	M00006576D:F11
893	5/15/98	1488	142	RTA00000618F.o.23.1	M00006737C:A8
894	5/15/98	1488	143	RTA00000618F.m.12.1	M00006725A:B3
895	5/15/98	1488	144	RTA00000625F.o.19.1	M00006616D:C8
896	5/15/98	1488	145	RTA00000619F.a.18.1	M00006744C:C6
897	5/15/98	1488	146	RTA00000624F.c.15.1	M00005565C:A8
898	5/15/98	1488	147	RTA00000617F.e.13.2	M00005465C:H2
899	5/15/98	1488	148	RTA00000592F.j.06.1	M00006664D:H9
900	5/15/98	1488	149	RTA00000615F.n.18.1	M00005359B:G1
901	5/15/98	1488	150	RTA00000624F.c.02.1	M00005550B:D9
902	5/15/98	1488	151	RTA00000620F.j.10.1	M00006886A:D6
903	5/15/98	1488	152	RTA00000620F.e.07.1	M00006860B:H1
904	5/15/98	1488	153	RTA00000625F.g.07.1	M00005798B:C11
905	5/15/98	1488	154	RTA00000617F.d.22.1	M00005462C:B2
906	5/15/98	1488	155	RTA00000622F.a.12.1	M00007006D:D4
907	5/15/98	1488	156	RTA00000620F.i.11.1	M00006879D:A10
908	5/15/98	1488	157	RTA00000616F.k.03.1	M00005415C:G8
909	5/15/98	1488	158	RTA00000624F.k.17.1	M00005636C:D11
910	5/15/98	1488	159	RTA00000615F.f.11.1	M00004999B:D12
911	5/15/98	1488	160	RTA00000620F.o.07.1	M00006917C:E7
912	5/15/98	1488	161	RTA00000617F.k.11.1	M00005493B:C8
913	5/15/98	1488	162	RTA00000622F.g.04.1	M00007037B:D4
914	5/15/98	1488	163	RTA00000591F.n.04.1	M00005528D:H6
915	5/15/98	1488	164	RTA00000625F.a.16.1	M00005706D:A9
916	5/15/98	1488	165	RTA00000620F.m.18.1	M00006908C:A5
917	5/15/98	1488	166	RTA00000620F.a.04.1	M00006832D:F10
918	5/15/98	1488	167	RTA00000624F.j.20.1	M00005632C:D6
919	5/15/98	1488	168	RTA00000590F.n.19.1	M00005378C:A10

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	Priority Appln Information				
SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
920	5/15/98	1488	169	RTA00000626F.c.13.1	M00006636D:F11
921	5/15/98	1488	170	RTA00000617F.f.01.2	M00005468B:D4
922	5/15/98	1488	171	RTA00000621F.i.18.2	M00006966C:B7
923	5/15/98	1488	172	RTA00000617F.a.13.1	M00005450A:A2
924	5/15/98	1488	173	RTA00000591F.m.06.1	M00005513A:D8
925	5/15/98	1488	174	RTA00000615F.g.07.1	M00005004B:C11
926	5/15/98	1488	175	RTA00000616F.o.24.1	M00005442D:C5
927	5/15/98	1488	176	RTA00000617F.a.20.1	M00005451A:E3
928	5/15/98	1488	177	RTA00000626F.a.18.1	M00006629D:D4
929	5/15/98	1488	178	RTA00000616F.c.23.1	M00005385C:D8
930	5/15/98	1488	179	RTA00000623F.m.07.1	M00007193D:A4
931	5/15/98	1488	180	RTA00000620F.h.18.1	M00006875D:D10
932	5/15/98	1488	181	RTA00000615F.l.16.1	M00005352B:D2
933	5/15/98	1488	182	RTA00000592F.c.17.1	M00005708D:B3
934	5/15/98	1488	183	RTA00000616F.c.24.1	M00005385C:G5
935	5/15/98	1488	184	RTA00000619F.l.16.1	M00006813A:C4
936	5/15/98	1488	185	RTA00000622F.c.18.1	M00007015C:G5
937	5/15/98	1488	186	RTA00000620F.p.09.1	M00006921B:E3
938	5/15/98	1488	187	RTA00000626F.f.08.1	M00006650A:B11
939	5/15/98	1488	188	RTA00000621F.h.08.1	M00006960A:G11
940	5/15/98	1488	189	RTA00000591F.g.19.1	M00005466A:F12
941	5/15/98	1488	190	RTA00000623F.m.10.1	M00007195B:B2
942	5/15/98	1488	191	RTA00000619F.j.13.1	M00006796A:H10
943	5/15/98	1488	192	RTA00000619F.f.22.1	M00006771A:H7
944	5/15/98	1488	193	RTA00000622F.m.06.1	M00007075C:D8
945	5/15/98	1488	194	RTA00000623F.i.03.1	M00007154A:E4
946	5/15/98	1488	195	RTA00000625F.k.08.1	M00006581D:H8
947	5/15/98	1488	196	RTA00000615F.c.13.1	M00004854A:C9
948	5/15/98	1488	197	RTA00000619F.j.11.1	M00006796A:C3
949	5/15/98	1488	198	RTA00000619F.o.01.1	M00006822D:F7
950	5/15/98	1488	199	RTA00000590F.h.12.2	M00004826A:E9
951	5/15/98	1488	200	RTA00000623F.d.07.1	M00007121C:H1
952	5/15/98	1488	201	RTA00000616F.f.24.1	M00005397C:B3
953	5/15/98	1488	202	RTA00000625F.o.03.1	M00006609A:G10
954	5/15/98	1488	203	RTA00000619F.k.20.1	M00006807D:D8
955	5/15/98	1488	204	RTA00000625F.n.22.1	M00006607B:F4
956	5/15/98	1488	205	RTA00000625F.n.03.1	M00006601D:F4
957	5/15/98	1488	206	RTA00000619F.c.13.1	M00006756B:B8
958	5/15/98	1488	207	RTA00000625F.g.21.1	M00005805D:E6
959	5/15/98	1488	208	RTA00000620F.g.06.1	M00006868D:E2

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	Priority Appln Information				
SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
960	5/15/98	1488	209	RTA00000622F.l.04.1	M00007065B:B12
961	5/15/98	1488	210	RTA00000624F.d.21.1	M00005587B:H2
962	5/15/98	1488	211	RTA00000622F.f.20.1	M00007036A:D2
963	5/15/98	1488	212	RTA00000616F.d.09.1	M00005388A:F7
964	5/15/98	1488	213	RTA00000620F.n.05.1	M00006912B:E1
965	5/15/98	1488	214	RTA00000624F.k.22.1	M00005637B:D12
966	5/15/98	1488	215	RTA00000618F.p.11.1	M00006739B:B12
967	5/15/98	1488	216	RTA00000615F.g.09.1	M00005005C:E6
968	5/15/98	1488	217	RTA00000618F.j.23.1	M00006712B:H10
969	5/15/98	1488	218	RTA00000617F.l.02.1	M00005497B:H7
970	5/15/98	1488	219	RTA00000617F.l.09.1	M00005498B:F8
971	5/15/98	1488	220	RTA00000625F.n.21.1	M00006607B:E3
972	5/15/98	1488	221	RTA00000623F.c.20.1	M00007118B:B4
973	5/15/98	1488	222	RTA00000603F.d.13.1	M00007019A:B1
974	5/15/98	1488	223	RTA00000625F.k.06.1	M00006581C:D2
975	5/15/98	1488	224	RTA00000624F.b.23.1	M00005548B:E3
976	5/15/98	1488	225	RTA00000626F.d.11.1	M00006640D:H8
977	5/15/98	1488	226	RTA00000620F.g.14.1	M00006870C:H6
978	5/15/98	1488	227	RTA00000621F.l.17.1	M00006980A:F2
979	5/15/98	1488	228	RTA00000624F.o.13.1	M00005685A:A4
980	5/15/98	1488	229	RTA00000621F.k.18.1	M00006974B:F6
981	5/15/98	1488	230	RTA00000591F.a.23.1	M00005411D:A3
982	5/15/98	1488	231	RTA00000592F.i.01.1	M00006641C:H2
983	5/15/98	1488	232	RTA00000625F.p.10.1	M00006619B:C11
984	5/15/98	1488	233	RTA00000622F.h.04.1	M00007041B:C5
985	5/15/98	1488	234	RTA00000591F.e.08.1	M00005446A:G1
986	5/15/98	1488	235	RTA00000619F.d.13.1	M00006758D:C4
987	5/15/98	1488	236	RTA00000622F.p.10.1	M00007099A:F9
988	5/15/98	1488	237	RTA00000623F.m.04.1	M00007192C:H8
989	5/15/98	1488	238	RTA00000617F.i.06.1	M00005483A:F5
990	5/15/98	1488	239	RTA00000624F.d.24.1	M00005589C:B3
991	5/15/98	1488	240	RTA00000616F.p.08.1	M00005444B:E11
992	5/15/98	1488	241	RTA00000615F.j.18.1	M00005326B:F3
993	5/15/98	1488	242	RTA00000625F.p.19.1	M00006621A:G10
994	5/15/98	1488	243	RTA00000624F.h.09.1	M00005620C:C5
995	5/15/98	1488	244	RTA00000619F.d.23.1	M00006760D:G12
996	5/15/98	1488	245	RTA00000618F.f.24.1	M00006692B:E4
997	5/15/98	1488	246	RTA00000617F.l.12.1	M00005498C:G5
998	5/15/98	1488	247	RTA00000621F.o.09.1	M00006993B:B9
999	5/15/98	1488	248	RTA00000616F.p.04.1	M00005443D:C12

	Priority Appln Information				
SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
1000	5/15/98	1488	249	RTA00000620F.c.08.1	M00006841D:A8
1001	5/15/98	1488	250	RTA00000625F.n.01.1	M00006601C:A7
1002	5/15/98	1488	251	RTA00000617F.k.10.1	M00005493B:A12
1003	5/15/98	1488	252	RTA00000624F.l.11.1	M00005641B:E2
1004	5/15/98	1488	253	RTA00000624F.h.06.1	M00005619C:H10
1005	5/15/98	1488	254	RTA00000624F.h.11.1	M00005621A:G10
1006	5/15/98	1488	255	RTA00000590F.h.07.2	M00004824C:G9
1007	5/15/98	1488	256	RTA00000590F.o.09.1	M00005384A:A1
1008	5/15/98	1488	257	RTA00000620F.e.16.1	M00006863B:E6
1009	5/15/98	1488	258	RTA00000620F.k.11.1	M00006893C:B2
1010	5/15/98	1488	259	RTA00000619F.o.18.4	M00006825C:D6
1011	5/15/98	1488	260	RTA00000621F.k.03.1	M00006972A:F10
1012	5/15/98	1488	261	RTA00000625F.c.11.1	M00005722D:G3
1013	5/15/98	1488	262	RTA00000618F.n.05.1	M00006727B:G8
1014	5/15/98	1488	263	RTA00000623F.d.02.1	M00007119B:H10
1015	5/15/98	1488	264	RTA00000615F.k.05.1	M00005330C:F9
1016	5/15/98	1488	265	RTA00000623F.f.09.1	M00007132D:G8
1017	5/15/98	1488	266	RTA00000622F.d.01.1	M00007016C:E6
1018	5/15/98	1488	267	RTA00000618F.p.10.1	M00006739B:B10
1019	5/15/98	1488	268	RTA00000624F.l.23.1	M00005645D:F8
1020	5/15/98	1488	269	RTA00000619F.e.19.1	M00006764B:D5
1021	5/15/98	1488	270	RTA00000622F.h.12.1	M00007043A:B5
1022	5/15/98	1488	271	RTA00000622F.i.23.1	M00007051D:D9
1023	5/15/98	1488	272	RTA00000624F.l.13.1	M00005642B:C3
1024	5/15/98	1488	273	RTA00000624F.a.04.1	M00005528D:A10
1025	5/15/98	1488	274	RTA00000622F.e.17.1	M00007031C:D1
1026	5/15/98	1488	275	RTA00000590F.l.12.1	M00005353B:B9
1027	5/15/98	1488	276	RTA00000626F.f.01.1	M00006648C:E4
1028	5/15/98	1488	277	RTA00000620F.a.05.1	M00006832D:F11
1029	5/15/98	1488	278	RTA00000623F.d.04.1	M00007121A:A5
1030	5/15/98	1488	279	RTA00000618F.p.15.1	M00006739C:H7
1031	5/15/98	1488	280	RTA00000618F.o.03.1	M00006734A:H12
1032	5/15/98	1488	281	RTA00000640F.b.02.1	M00006927C:F12
1033	5/15/98	1488	282	RTA00000619F.g.20.1	M00006780A:H12
1034	5/15/98	1488	283	RTA00000618F.n.09.1	M00006728C:B6
1035	5/15/98	1488	284	RTA00000621F.d.09.1	M00006939B:E5
1036	5/15/98	1488	285	RTA00000619F.n.23.4	M00006822D:D5
1037	5/15/98	1488	286	RTA00000616F.k.16.1	M00005417A:E10
1038	5/15/98	1488	287	RTA00000625F.f.21.1	M00005783A:C5
1039	5/15/98	1488	288	RTA00000619F.b.17.1	M00006751B:B11

	Priority Appln Information				
SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
1040	5/15/98	1488	289	RTA00000622F.h.11.1	M00007042A:E7
1041	5/15/98	1488	290	RTA00000621F.k.12.1	M00006973D:E11
1042	5/15/98	1488	291	RTA00000620F.p.08.1	M00006921B:E1
1043	5/15/98	1488	292	RTA00000625F.d.13.1	M00005762D:A1
1044	5/15/98	1488	293	RTA00000592F.g.18.1	M00006618C:G8
1045	5/15/98	1488	294	RTA00000622F.b.17.1	M00007012B:D7
1046	5/15/98	1488	295	RTA00000624F.i.07.1	M00005625D:C3
1047	5/15/98	1488	296	RTA00000619F.c.01.1	M00006754B:D5
1048	5/15/98	1488	297	RTA00000621F.a.07.1	M00006926A:H11
1049	5/15/98	1488	298	RTA00000620F.d.21.1	M00006855C:H2
1050	5/15/98	1488	299	RTA00000616F.c.15.1	M00005383D:E7
1051	5/15/98	1488	300	RTA00000619F.n.19.4	M00006822A:D7
1052	5/15/98	1488	301	RTA00000615F.l.09.1	M00005349B:G1
1053	5/15/98	1488	302	RTA00000626F.b.04.1	M00006631D:B2
1054	5/15/98	1488	303	RTA00000617F.j.23.1	M00005491B:C3
1055	5/15/98	1488	304	RTA00000615F.k.14.1	M00005333C:C8
1056	5/15/98	1488	305	RTA00000616F.l.07.1	M00005419A:D5
1057	5/15/98	1488	306	RTA00000619F.d.04.1	M00006758A:B12
1058	5/15/98	1488	307	RTA00000622F.o.15.1	M00007093A:F9
1059	5/15/98	1488	308	RTA00000625F.m.11.1	M00006594D:F9
1060	5/15/98	1488	309	RTA00000619F.e.10.1	M00006763B:B11
1061	5/15/98	1488	310	RTA00000617F.n.15.1	M00005508B:B4
1062	5/15/98	1488	311	RTA00000615F.n.22.1	M00005359D:G7
1063	5/15/98	1488	312	RTA00000622F.j.21.1	M00007058A:C2
1064	5/15/98	1488	313	RTA00000625F.c.09.1	M00005722A:E9
1065	5/15/98	1488	314	RTA00000591F.m.01.1	M00005510B:D6
1066	5/15/98	1488	315	RTA00000617F.n.14.1	M00005508A:H1
1067	5/15/98	1488	316	RTA00000624F.p.18.1	M00005703A:C8
1068	5/15/98	1488	317	RTA00000623F.j.10.2	M00007163B:A12
1069	5/15/98	1488	318	RTA00000591F.e.20.1	M00005450B:B1
1070	5/15/98	1488	319	RTA00000615F.i.11.1	M00005294C:G8
1071	5/15/98	1488	320	RTA00000622F.p.12.1	M00007099C:F9
1072	5/15/98	1488	321	RTA00000619F.j.22.1	M00006800C:G8
1073	5/15/98	1488	322	RTA00000621F.g.12.1	M00006953D:H11
1074	5/15/98	1488	323	RTA00000617F.m.14.1	M00005505A:C8
1075	5/15/98	1488	324	RTA00000619F.k.06.1	M00006805A:H9
1076	5/15/98	1488	325	RTA00000616F.k.18.1	M00005417C:E10
1077	5/15/98	1488	326	RTA00000625F.d.04.1	M00005743B:F2
1078	5/15/98	1488	327	RTA00000626F.b.06.1	M00006631D:E9
1079	5/15/98	1488	328	RTA00000621F.p.15.1	M00006997B:E6

	Priority Appln Information				
SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
1080	5/15/98	1488	329	RTA00000618F.d.19.1	M00006681C:G4
1081	5/15/98	1488	330	RTA00000618F.a.02.1	M00006665B:D10
1082	5/15/98	1488	331	RTA00000592F.f.15.1	M00006577B:H12
1083	5/15/98	1488	332	RTA00000619F.d.12.1	M00006758D:C1
1084	5/15/98	1488	333	RTA00000624F.d.08.1	M00005571A:E11
1085	5/15/98	1488	334	RTA00000620F.o.15.1	M00006919B:C3
1086	5/15/98	1488	335	RTA00000620F.e.03.1	M00006859A:F6
1087	5/15/98	1488	336	RTA00000622F.a.24.1	M00007010B:C11
1088	5/15/98	1488	337	RTA00000619F.n.04.2	M00006819A:D10
1089	5/15/98	1488	338	RTA00000616F.d.16.1	M00005388D:F9
1090	5/15/98	1488	339	RTA00000622F.n.15.1	M00007085A:B7
1091	5/15/98	1488	340	RTA00000619F.i.04.1	M00006789C:F4
1092	5/15/98	1488	341	RTA00000617F.i.13.1	M00005484A:D9
1093	5/15/98	1488	342	RTA00000616F.l.11.1	M00005419C:D9
1094	5/15/98	1488	343	RTA00000617F.b.18.1	M00005454C:H12
1095	5/15/98	1488	344	RTA00000618F.j.01.1	M00006705B:D2
1096	5/15/98	1488	345	RTA00000618F.k.24.1	M00006717A:D4
1097	5/15/98	1488	346	RTA00000618F.c.05.1	M00006676D:D11
1098	5/15/98	1488	347	RTA00000619F.g.08.1	M00006777B:D10
1099	5/15/98	1488	348	RTA00000618F.n.04.1	M00006727B:E9
1100	5/15/98	1488	349	RTA00000617F.i.09.1	M00005483D:A12
1101	5/15/98	1488	350	RTA00000617F.l.04.1	M00005497C:C7
1102	5/15/98	1488	351	RTA00000619F.n.17.4	M00006821C:C10
1103	5/15/98	1488	352	RTA00000622F.l.09.1	M00007065D:C1
1104	5/15/98	1488	353	RTA00000623F.j.03.2	M00007161A:H3
1105	5/15/98	1488	354	RTA00000615F.m.17.1	M00005356A:D9
1106	5/15/98	1488	355	RTA00000616F.g.13.1	M00005400A:D2
1107	5/15/98	1488	356	RTA00000615F.f.15.1	M00004999D:E1
1108	5/15/98	1488	357	RTA00000591F.f.15.1	M00005455A:D1
1109	5/15/98	1488	358	RTA00000592F.g.07.1	M00006596A:F7
1110	5/15/98	1488	359	RTA00000625F.o.16.1	M00006615D:F4
1111	5/15/98	1488	360	RTA00000622F.f.13.1	M00007033D:F4
1112	5/15/98	1488	361	RTA00000619F.p.02.3	M00006826B:H3
1113	5/15/98	1488	362	RTA00000625F.h.11.1	M00005812C:F10
1114	5/15/98	1488	363	RTA00000591F.i.05.1	M00005477C:D8
1115	5/15/98	1488	364	RTA00000622F.j.07.1	M00007053B:C7
1116	5/15/98	1488	365	RTA00000619F.k.01.1	M00006801A:G5
1117	5/15/98	1488	366	RTA00000619F.b.24.1	M00006754B:D5
1118	5/15/98	1488	367	RTA00000619F.b.16.1	M00006751A:F3
1119	5/15/98	1488	368	RTA00000618F.p.04.1	M00006738A:E5

	Priority Appln Information				
SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
1120	5/15/98	1488	369	RTA00000615F.k.18.1	M00005342A:D4
1121	5/15/98	1488	370	RTA00000618F.g.23.1	M00006695B:F8
1122	5/15/98	1488	371	RTA00000618F.n.14.1	M00006728D:G10
1123	5/15/98	1488	372	RTA00000619F.e.23.1	M00006765B:H6
1124	5/15/98	1488	373	RTA00000617F.j.06.1	M00005487A:H1
1125	5/15/98	1488	374	RTA00000622F.f.06.1	M00007033A:H5
1126	5/15/98	1488	375	RTA00000622F.e.09.1	M00007030C:F8
1127	5/15/98	1488	376	RTA00000624F.k.11.1	M00005635C:F11
1128	5/15/98	1488	377	RTA00000619F.a.24.1	M00006745A:A1
1129	5/15/98	1488	378	RTA00000625F.i.03.1	M00005818C:G1
1130	5/15/98	1488	379	RTA00000590F.l.10.1	M00005352D:E6
1131	5/15/98	1488	380	RTA00000623F.d.12.1	M00007122B:A11
1132	5/15/98	1488	381	RTA00000622F.o.05.1	M00007090B:A2
1133	5/15/98	1488	382	RTA00000623F.n.07.1	M00007200B:C2
1134	5/15/98	1488	383	RTA00000621F.k.10.1	M00006973C:E11
1135	5/15/98	1488	384	RTA00000616F.b.05.1	M00005377A:A4
1136	5/15/98	1488	385	RTA00000619F.p.11.4	M00006828D:C12
1137	5/15/98	1488	386	RTA00000616F.d.15.1	M00005388D:B11
1138	5/15/98	1488	387	RTA00000615F.b.07.1	M00004839C:B1
1139	5/15/98	1488	388	RTA00000619F.f.19.1	M00006771A:E6
1140	5/15/98	1488	389	RTA00000621F.l.06.1	M00006976C:E9
1141	5/15/98	1488	390	RTA00000624F.m.08.1	M00005646C:B9
1142	5/15/98	1488	391	RTA00000617F.k.13.1	M00005493B:E1
1143	5/15/98	1488	392	RTA00000592F.h.07.1	M00006630B:H6
1144	5/15/98	1488	393	RTA00000619F.f.24.1	M00006771B:F3
1145	5/15/98	1488	394	RTA00000622F.e.20.1	M00007032A:F11
1146	5/15/98	1488	395	RTA00000623F.h.23.1	M00007152A:B4
1147	5/15/98	1488	396	RTA00000626F.b.20.1	M00006635C:B10
1148	5/15/98	1488	397	RTA00000623F.n.03.1	M00007199D:B7
1149	5/15/98	1488	398	RTA00000625F.i.02.1	M00005818C:E8
1150	5/15/98	1488	399	RTA00000622F.i.08.1	M00007047B:D1
1151	5/15/98	1488	400	RTA00000621F.c.23.1	M00006937B:G9
1152	5/15/98	1488	401	RTA00000619F.f.11.1	M00006769D:A4
1153	5/15/98	1488	402	RTA00000621F.b.14.1	M00006934A:G2
1154	5/15/98	1488	403	RTA00000621F.g.10.1	M00006953B:H10
1155	5/15/98	1488	404	RTA00000619F.p.22.3	M00006832A:F5
1156	5/15/98	1488	405	RTA00000590F.p.23.1	M00005399D:B2
1157	5/15/98	1488	406	RTA00000621F.m.23.1	M00006987B:F4
1158	5/15/98	1488	407	RTA00000592F.d.20.1	M00005772A:F3
1159	5/15/98	1488	408	RTA00000624F.m.14.1	M00005647D:D9

	Priority Appln Information				
SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
1160	5/15/98	1488	409	RTA00000617F.a.08.1	M00005448D:E8
1161	5/15/98	1488	410	RTA00000620F.i.04.1	M00006877B:E5
1162	5/15/98	1488	411	RTA00000623F.l.12.1	M00007188A:D3
1163	5/15/98	1488	412	RTA00000591F.b.02.1	M00005411D:E5
1164	5/15/98	1488	413	RTA00000623F.h.07.1	M00007146D:G1
1165	5/15/98	1488	414	RTA00000624F.p.21.1	M00005703C:B1
1166	5/15/98	1488	415	RTA00000623F.j.09.2	M00007163A:F11
1167	5/15/98	1488	416	RTA00000623F.l.17.1	M00007189D:A9
1168	5/15/98	1488	417	RTA00000619F.p.18.3	M00006831B:B4
1169	5/15/98	1488	418	RTA00000622F.h.06.1	M00007041B:G1
1170	5/15/98	1488	419	RTA00000591F.m.20.1	M00005519C:F8
1171	5/15/98	1488	420	RTA00000623F.h.10.1	M00007148B:C6
1172	5/15/98	1488	421	RTA00000619F.i.10.1	M00006790D:A5
1173	5/15/98	1488	422	RTA00000625F.b.13.1	M00005711A:H1
1174	5/15/98	1488	423	RTA00000623F.e.16.1	M00007129A:E4
1175	5/15/98	1488	424	RTA00000625F.k.12.1	M00006582D:E5
1176	5/15/98	1488	425	RTA00000624F.i.09.1	M00005626A:B11
1177	5/15/98	1488	426	RTA00000625F.k.09.1	M00006582A:B9
1178	5/15/98	1488	427	RTA00000622F.k.10.1	M00007062A:D3
1179	5/15/98	1488	428	RTA00000616F.h.12.1	M00005403D:E11
1180	5/15/98	1488	429	RTA00000623F.k.07.1	M00007170D:A10
1181	5/15/98	1488	430	RTA00000620F.p.18.1	M00006923B:H8
1182	5/15/98	1488	431	RTA00000620F.e.01.1	M00006855D:H2
1183	5/15/98	1488	432	RTA00000616F.b.10.1	M00005377D:F11
1184	5/15/98	1488	433	RTA00000615F.d.06.1	M00004858D:E6
1185	5/15/98	1488	434	RTA00000592F.h.23.1	M00006640B:H9
1186	5/15/98	1488	435	RTA00000622F.e.07.1	M00007030A:G1
1187	5/15/98	1488	436	RTA00000617F.f.23.2	M00005473D:E10
1188	5/15/98	1488	437	RTA00000620F.h.10.1	M00006875A:A2
1189	5/15/98	1488	438	RTA00000615F.g.19.1	M00005009B:A2
1190	5/15/98	1488	439	RTA00000626F.b.09.1	M00006633C:E11
1191	5/15/98	1488	440	RTA00000626F.e.10.1	M00006644D:C2
1192	5/15/98	1488	441	RTA00000591F.a.08.1	M00005404C:F2
1193	5/15/98	1488	442	RTA00000622F.j.09.1	M00007053B:H3
1194	5/15/98	1488	443	RTA00000591F.n.01.1	M00005524C:B1
1195	5/15/98	1488	444	RTA00000623F.e.12.1	M00007127B:A4
1196	5/15/98	1488	445	RTA00000625F.p.01.1	M00006617B:D9
1197	5/15/98	1488	446	RTA00000623F.f.13.1	M00007134C:F7
1198	5/15/98	1488	447	RTA00000620F.c.24.1	M00006850C:D9
1199	5/15/98	1488	448	RTA00000618F.i.21.1	M00006704D:D3

	Priority Appln Information				
SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
1200	5/15/98	1488	449	RTA00000617F.l.08.1	M00005497C:E3
1201	5/15/98	1488	450	RTA00000619F.l.07.1	M00006810D:A5
1202	5/15/98	1488	451	RTA00000624F.n.16.1	M00005655B:C2
1203	5/15/98	1488	452	RTA00000621F.n.24.1	M00006991D:G7
1204	5/15/98	1488	453	RTA00000621F.c.20.1	M00006937B:F7
1205	5/15/98	1488	454	RTA00000623F.g.07.1	M00007140D:C12
1206	5/15/98	1488	455	RTA00000591F.i.17.1	M00005481C:A5
1207	5/15/98	1488	456	RTA00000626F.b.22.1	M00006636A:B8
1208	5/15/98	1488	457	RTA00000620F.i.16.1	M00006882D:F3
1209	5/15/98	1488	458	RTA00000623F.f.21.1	M00007137D:C10
1210	5/15/98	1488	459	RTA00000591F.f.18.1	M00005455A:G3
1211	5/15/98	1488	460	RTA00000616F.e.10.1	M00005392C:C4
1212	5/15/98	1488	461	RTA00000619F.l.22.1	M00006814A:F7
1213	5/15/98	1488	462	RTA00000591F.a.20.1	M00005411A:C7
1214	5/15/98	1488	463	RTA00000623F.b.23.1	M00007112B:C6
1215	5/15/98	1488	464	RTA00000621F.n.15.1	M00006990B:H9
1216	5/15/98	1488	465	RTA00000620F.m.15.1	M00006907D:C7
1217	5/15/98	1488	466	RTA00000591F.a.15.1	M00005406D:B8
1218	5/15/98	1488	467	RTA00000620F.p.05.1	M00006921B:C2
1219	5/15/98	1488	468	RTA00000620F.h.04.1	M00006873B:G11
1220	5/15/98	1488	469	RTA00000592F.g.15.1	M00006615B:F5
1221	5/15/98	1488	470	RTA00000625F.b.21.1	M00005720A:D3
1222	5/15/98	1488	471	RTA00000621F.n.18.1	M00006991A:E7
1223	5/15/98	1488	472	RTA00000591F.h.08.1	M00005470B:E1
1224	5/15/98	1488	473	RTA00000591F.j.13.1	M00005486C:B3
1225	5/15/98	1488	474	RTA00000626F.e.08.1	M00006644C:E9
1226	5/15/98	1488	475	RTA00000623F.d.23.1	M00007124C:A11
1227	5/15/98	1488	476	RTA00000592F.g.04.1	M00006592A:D3
1228	5/15/98	1488	477	RTA00000590F.p.22.1	M00005399B:F2
1229	5/15/98	1488	478	RTA00000590F.n.10.1	M00005377A:D5
1230	5/15/98	1488	479	RTA00000623F.j.16.2	M00007166B:E6
1231	5/15/98	1488	480	RTA00000619F.j.19.1	M00006797B:D12
1232	5/15/98	1488	481	RTA00000621F.c.12.1	M00006936B:F10
1233	5/15/98	1488	482	RTA00000618F.b.17.1	M00006674B:F4
1234	5/15/98	1488	483	RTA00000621F.p.08.1	M00006995D:A3
1235	5/15/98	1488	484	RTA00000626F.b.13.1	M00006634B:C2
1236	5/15/98	1488	485	RTA00000623F.e.18.1	M00007129A:G10
1237	5/15/98	1488	486	RTA00000625F.j.01.1	M00005827B:H8
1238	5/15/98	1488	487	RTA00000625F.o.18.1	M00006616C:H9
1239	5/15/98	1488	488	RTA00000623F.k.13.1	M00007172D:C8

09894569 - 051598

	Priority Appln Information				
SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
1240	5/15/98	1488	489	RTA00000623F.k.10.1	M00007172A:A5
1241	5/15/98	1488	490	RTA00000626F.d.12.1	M00006641A:B3
1242	5/15/98	1488	491	RTA00000626F.d.23.1	M00006643A:E10
1243	5/15/98	1488	492	RTA00000623F.j.02.1	M00007160C:B8
1244	5/15/98	1488	493	RTA00000618F.o.07.1	M00006735A:H2
1245	5/15/98	1488	494	RTA00000620F.a.08.1	M00006833B:E11
1246	5/15/98	1488	495	RTA00000623F.d.11.1	M00007122A:G11
1247	5/15/98	1488	496	RTA00000623F.h.16.1	M00007149D:G6
1248	5/15/98	1488	497	RTA00000624F.a.17.1	M00005535B:F6
1249	5/15/98	1488	498	RTA00000621F.n.17.1	M00006990D:D6
1250	5/15/98	1488	499	RTA00000625F.n.02.1	M00006601C:E6
1251	5/15/98	1488	500	RTA00000591F.n.05.1	M00005530B:E4
1252	5/15/98	1488	501	RTA00000622F.n.09.1	M00007084B:A5
1253	5/15/98	1488	502	RTA00000617F.l.05.1	M00005497C:C10
1254	5/15/98	1488	503	RTA00000623F.j.08.2	M00007163A:B10
1255	5/15/98	1488	504	RTA00000626F.g.02.1	M00006656C:C10
1256	5/15/98	1488	505	RTA00000617F.l.06.1	M00005497C:C12
1257	5/15/98	1488	506	RTA00000592F.a.06.1	M00005635B:A6
1258	5/15/98	1488	507	RTA00000591F.j.11.1	M00005485C:A3
1259	5/15/98	1488	508	RTA00000622F.h.21.1	M00007046A:D2
1260	5/15/98	1488	509	RTA00000591F.h.03.1	M00005468D:F4
1261	5/15/98	1488	510	RTA00000620F.g.22.1	M00006872B:G1
1262	5/15/98	1488	511	RTA00000617F.c.05.1	M00005456B:E3
1263	5/15/98	1488	512	RTA00000616F.e.15.3	M00005393A:E11
1264	5/15/98	1488	513	RTA00000616F.f.15.3	M00005396B:C4
1265	5/15/98	1488	514	RTA00000622F.c.11.1	M00007014D:C5
1266	5/15/98	1488	515	RTA00000621F.f.12.1	M00006949B:F3
1267	5/15/98	1488	516	RTA00000603F.c.23.1	M00006720C:C11
1268	5/15/98	1488	517	RTA00000640F.a.23.1	M00005817D:E12
1269	5/15/98	1488	518	RTA00000618F.h.15.1	M00006699B:C7
1270	5/15/98	1488	519	RTA00000616F.p.22.1	M00005446C:D12
1271	5/15/98	1488	520	RTA00000621F.p.18.1	M00006997D:B3
1272	5/15/98	1488	521	RTA00000615F.b.10.1	M00004840C:H5
1273	5/15/98	1488	522	RTA00000590F.l.05.1	M00005332A:H10
1274	5/15/98	1488	523	RTA00000619F.g.06.1	M00006774D:C1
1275	5/15/98	1488	524	RTA00000619F.c.24.1	M00006757D:E4
1276	5/15/98	1488	525	RTA00000619F.f.23.1	M00006771B:A9
1277	5/15/98	1489	1	RTA00000639F.e.11.1	M00023011A:A6
1278	5/15/98	1489	2	RTA00000631F.e.20.1	M00022386B:D11
1279	5/15/98	1489	3	RTA00000631F.e.15.1	M00022386A:A7

	Priority Appln Information				
SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
1280	5/15/98	1489	4	RTA00000639F.d.02.1	M00022993A:F2
1281	5/15/98	1489	5	RTA00000639F.f.10.1	M00023021A:H8
1282	5/15/98	1489	6	RTA00000628F.e.17.1	M00021862D:F1
1283	5/15/98	1489	7	RTA00000627F.p.18.1	M00021670B:G11
1284	5/15/98	1489	8	RTA00000633F.o.22.1	M00022901D:C9
1285	5/15/98	1489	9	RTA00000632F.b.04.1	M00022493C:B7
1286	5/15/98	1489	10	RTA00000639F.g.14.1	M00023034C:E5
1287	5/15/98	1489	11	RTA00000631F.p.10.1	M00022474A:H9
1288	5/15/98	1489	12	RTA00000628F.c.20.1	M00021828A:C8
1289	5/15/98	1489	13	RTA00000630F.o.20.1	M00022289A:D5
1290	5/15/98	1489	14	RTA00000630F.e.18.1	M00022202C:F11
1291	5/15/98	1489	15	RTA00000628F.b.18.1	M00021690C:B7
1292	5/15/98	1489	16	RTA00000590F.j.07.1	M00004873C:C10
1293	5/15/98	1489	17	RTA00000630F.a.19.1	M00022169D:C2
1294	5/15/98	1489	18	RTA00000630F.i.02.1	M00022226D:A7
1295	5/15/98	1489	19	RTA00000631F.a.22.1	M00022364C:G12
1296	5/15/98	1489	20	RTA00000630F.l.19.1	M00022255D:E3
1297	5/15/98	1489	21	RTA00000633F.a.15.1	M00022661D:H1
1298	5/15/98	1489	22	RTA00000639F.c.06.1	M00022972D:C10
1299	5/15/98	1489	23	RTA00000630F.p.23.1	M00022305C:A1
1300	5/15/98	1489	24	RTA00000629F.o.19.2	M00022150D:D11
1301	5/15/98	1489	25	RTA00000632F.j.18.1	M00022599D:E7
1302	5/15/98	1489	26	RTA00000630F.o.21.1	M00022289D:B6
1303	5/15/98	1489	27	RTA00000629F.l.02.1	M00022117C:G7
1304	5/15/98	1489	28	RTA00000628F.e.13.1	M00021861C:A2
1305	5/15/98	1489	29	RTA00000632F.j.02.1	M00022587C:G4
1306	5/15/98	1489	30	RTA00000639F.e.01.1	M00023003C:A3
1307	5/15/98	1489	31	RTA00000631F.f.01.1	M00022386C:D7
1308	5/15/98	1489	32	RTA00000630F.p.22.1	M00022305A:H11
1309	5/15/98	1489	33	RTA00000628F.l.05.1	M00021946D:C11
1310	5/15/98	1489	34	RTA00000629F.b.06.1	M00022049A:A2
1311	5/15/98	1489	35	RTA00000628F.g.20.1	M00021892B:H3
1312	5/15/98	1489	36	RTA00000628F.n.11.1	M00021982C:F8
1313	5/15/98	1489	37	RTA00000593F.e.21.1	M00022074D:F11
1314	5/15/98	1489	38	RTA00000633F.c.07.1	M00022674D:G4
1315	5/15/98	1489	39	RTA00000629F.k.17.1	M00022110A:E4
1316	5/15/98	1489	40	RTA00000633F.a.11.1	M00022661B:E11
1317	5/15/98	1489	41	RTA00000629F.e.16.1	M00022068D:D12
1318	5/15/98	1489	42	RTA00000631F.c.01.1	M00022372B:D3
1319	5/15/98	1489	43	RTA00000630F.n.22.1	M00022278C:E3

	Priority Appln Information				
SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
1320	5/15/98	1489	44	RTA00000628F.j.14.1	M00021927B:F1
1321	5/15/98	1489	45	RTA00000631F.l.14.1	M00022449D:F6
1322	5/15/98	1489	46	RTA00000631F.j.06.1	M00022423B:D3
1323	5/15/98	1489	47	RTA00000630F.b.17.1	M00022175A:A11
1324	5/15/98	1489	48	RTA00000593F.i.08.2	M00022218C:B6
1325	5/15/98	1489	49	RTA00000631F.l.12.1	M00022449C:B1
1326	5/15/98	1489	50	RTA00000628F.m.20.1	M00021978A:F8
1327	5/15/98	1489	51	RTA00000632F.c.02.1	M00022504B:E3
1328	5/15/98	1489	52	RTA00000632F.h.03.1	M00022565C:H2
1329	5/15/98	1489	53	RTA00000592F.l.16.1	M00007977C:E8
1330	5/15/98	1489	54	RTA00000630F.c.01.1	M00022176A:E8
1331	5/15/98	1489	55	RTA00000593F.e.19.1	M00022071C:D9
1332	5/15/98	1489	56	RTA00000632F.a.10.1	M00022490C:C1
1333	5/15/98	1489	57	RTA00000632F.f.12.1	M00022536B:B4
1334	5/15/98	1489	58	RTA00000630F.m.06.1	M00022259B:G2
1335	5/15/98	1489	59	RTA00000629F.e.07.1	M00022067D:C5
1336	5/15/98	1489	60	RTA00000627F.k.19.1	M00021618D:D7
1337	5/15/98	1489	61	RTA00000629F.o.15.2	M00022149B:D5
1338	5/15/98	1489	62	RTA00000592F.o.02.1	M00008015D:E9
1339	5/15/98	1489	63	RTA00000628F.h.18.1	M00021906C:G11
1340	5/15/98	1489	64	RTA00000632F.h.23.1	M00022578D:A8
1341	5/15/98	1489	65	RTA00000639F.h.18.1	M00023103A:E11
1342	5/15/98	1489	66	RTA00000630F.p.11.1	M00022296B:C11
1343	5/15/98	1489	67	RTA00000632F.o.18.1	M00022651D:C6
1344	5/15/98	1489	68	RTA00000629F.a.24.1	M00022032A:E7
1345	5/15/98	1489	69	RTA00000633F.f.19.1	M00022708D:G10
1346	5/15/98	1489	70	RTA00000627F.n.04.1	M00021640A:G3
1347	5/15/98	1489	71	RTA00000630F.p.04.1	M00022294A:D11
1348	5/15/98	1489	72	RTA00000633F.h.21.1	M00022730A:E4
1349	5/15/98	1489	73	RTA00000632F.d.12.1	M00022515D:C4
1350	5/15/98	1489	74	RTA00000627F.o.23.1	M00021660C:G4
1351	5/15/98	1489	75	RTA00000628F.j.12.1	M00021927A:C11
1352	5/15/98	1489	76	RTA00000632F.f.03.1	M00022531B:D7
1353	5/15/98	1489	77	RTA00000593F.o.03.1	M00022549B:G7
1354	5/15/98	1489	78	RTA00000631F.b.06.1	M00022366B:E9
1355	5/15/98	1489	79	RTA00000633F.g.15.1	M00022716D:D8
1356	5/15/98	1489	80	RTA00000594F.b.04.1	M00022828C:E4
1357	5/15/98	1489	81	RTA00000623F.o.14.1	M00007929B:H10
1358	5/15/98	1489	82	RTA00000632F.g.02.1	M00022551A:G3
1359	5/15/98	1489	83	RTA00000629F.h.11.1	M00022084B:F4

	Priority Appln Information				
SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
1360	5/15/98	1489	84	RTA00000632F.b.17.1	M00022498C:C8
1361	5/15/98	1489	85	RTA00000631F.m.04.1	M00022452C:B3
1362	5/15/98	1489	86	RTA00000627F.k.02.1	M00021614B:G12
1363	5/15/98	1489	87	RTA00000631F.n.06.1	M00022457C:B1
1364	5/15/98	1489	88	RTA00000633F.i.15.1	M00022737A:C8
1365	5/15/98	1489	89	RTA00000639F.f.11.1	M00023023A:B12
1366	5/15/98	1489	90	RTA00000630F.j.04.1	M00022236D:A3
1367	5/15/98	1489	91	RTA00000630F.j.14.1	M00022239D:A7
1368	5/15/98	1489	92	RTA00000627F.k.24.1	M00021619B:G10
1369	5/15/98	1489	93	RTA00000630F.j.13.1	M00022239B:B7
1370	5/15/98	1489	94	RTA00000629F.j.07.1	M00022094B:G10
1371	5/15/98	1489	95	RTA00000628F.m.02.1	M00021964A:C4
1372	5/15/98	1489	96	RTA00000639F.g.08.1	M00023033A:E10
1373	5/15/98	1489	97	RTA00000628F.i.05.1	M00021910A:C10
1374	5/15/98	1489	98	RTA00000639F.a.16.1	M00022953B:C7
1375	5/15/98	1489	99	RTA00000633F.c.21.1	M00022682A:F12
1376	5/15/98	1489	100	RTA00000639F.b.03.1	M00022960D:E8
1377	5/15/98	1489	101	RTA00000633F.b.05.1	M00022666C:H11
1378	5/15/98	1489	102	RTA00000631F.h.05.2	M00022412A:C8
1379	5/15/98	1489	103	RTA00000628F.h.14.1	M00021905B:A1
1380	5/15/98	1489	104	RTA00000633F.b.03.1	M00022666B:E12
1381	5/15/98	1489	105	RTA00000632F.g.08.1	M00022556B:G2
1382	5/15/98	1489	106	RTA00000593F.g.18.1	M00022171D:B8
1383	5/15/98	1489	107	RTA00000592F.p.10.1	M00008061A:F2
1384	5/15/98	1489	108	RTA00000639F.f.19.1	M00023028A:A2
1385	5/15/98	1489	109	RTA00000630F.f.04.1	M00022206B:G6
1386	5/15/98	1489	110	RTA00000633F.o.02.1	M00022893C:H11
1387	5/15/98	1489	111	RTA00000632F.b.12.1	M00022495C:G5
1388	5/15/98	1489	112	RTA00000632F.g.20.1	M00022562C:H10
1389	5/15/98	1489	113	RTA00000593F.f.12.1	M00022109B:A11
1390	5/15/98	1489	114	RTA00000633F.c.19.1	M00022681C:H2
1391	5/15/98	1489	115	RTA00000629F.e.12.1	M00022068B:H11
1392	5/15/98	1489	116	RTA00000629F.j.01.1	M00022093A:A5
1393	5/15/98	1489	117	RTA00000627F.m.07.1	M00021625A:C7
1394	5/15/98	1489	118	RTA00000633F.n.12.1	M00022856C:B11
1395	5/15/98	1489	119	RTA00000632F.e.15.1	M00022527D:B3
1396	5/15/98	1489	120	RTA00000632F.a.09.1	M00022490C:A8
1397	5/15/98	1489	121	RTA00000631F.k.12.1	M00022439A:E7
1398	5/15/98	1489	122	RTA00000628F.c.02.1	M00021694B:A7
1399	5/15/98	1489	123	RTA00000632F.f.10.1	M00022535D:B11

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	Priority Appln Information				
SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
1400	5/15/98	1489	124	RTA00000631F.f.11.1	M00022389B:H4
1401	5/15/98	1489	125	RTA00000633F.n.06.1	M00022854D:H7
1402	5/15/98	1489	126	RTA00000628F.l.14.1	M00021954A:A3
1403	5/15/98	1489	127	RTA00000632F.k.10.1	M00022607B:A4
1404	5/15/98	1489	128	RTA00000629F.b.08.1	M00022049A:D6
1405	5/15/98	1489	129	RTA00000629F.l.10.1	M00022122D:D6
1406	5/15/98	1489	130	RTA00000632F.c.04.1	M00022505D:A12
1407	5/15/98	1489	131	RTA00000630F.h.22.1	M00022221D:E8
1408	5/15/98	1489	132	RTA00000593F.e.18.1	M00022070B:C10
1409	5/15/98	1489	133	RTA00000630F.l.02.1	M00022252C:E6
1410	5/15/98	1489	134	RTA00000632F.k.20.1	M00022613D:C4
1411	5/15/98	1489	135	RTA00000628F.p.01.1	M00022005C:G3
1412	5/15/98	1489	136	RTA00000631F.l.01.1	M00022444A:A11
1413	5/15/98	1489	137	RTA00000628F.a.16.1	M00021678A:B8
1414	5/15/98	1489	138	RTA00000632F.j.14.1	M00022598A:F11
1415	5/15/98	1489	139	RTA00000628F.e.06.1	M00021859A:D4
1416	5/15/98	1489	140	RTA00000631F.n.08.1	M00022458B:E6
1417	5/15/98	1489	141	RTA00000630F.g.18.1	M00022216D:C1
1418	5/15/98	1489	142	RTA00000628F.m.08.1	M00021967D:E8
1419	5/15/98	1489	143	RTA00000592F.k.12.1	M00007961A:B1
1420	5/15/98	1489	144	RTA00000631F.e.22.1	M00022386C:A4
1421	5/15/98	1489	145	RTA00000628F.b.21.1	M00021692A:E3
1422	5/15/98	1489	146	RTA00000631F.d.13.1	M00022381C:C12
1423	5/15/98	1489	147	RTA00000629F.p.04.2	M00022153D:D11
1424	5/15/98	1489	148	RTA00000628F.b.01.1	M00021680B:C1
1425	5/15/98	1489	149	RTA00000630F.c.19.1	M00022183A:G3
1426	5/15/98	1489	150	RTA00000593F.l.06.1	M00022404D:G5
1427	5/15/98	1489	151	RTA00000628F.c.11.1	M00021698B:B12
1428	5/15/98	1489	152	RTA00000630F.l.05.1	M00022253B:E6
1429	5/15/98	1489	153	RTA00000628F.b.22.1	M00021692C:E6
1430	5/15/98	1489	154	RTA00000633F.g.19.1	M00022718D:G5
1431	5/15/98	1489	155	RTA00000629F.p.10.2	M00022157B:A10
1432	5/15/98	1489	156	RTA00000628F.b.17.1	M00021690B:B6
1433	5/15/98	1489	157	RTA00000627F.j.18.1	M00021611D:H3
1434	5/15/98	1489	158	RTA00000627F.p.10.1	M00021665A:D4
1435	5/15/98	1489	159	RTA00000628F.e.15.1	M00021862A:A4
1436	5/15/98	1489	160	RTA00000630F.h.12.1	M00022218D:B12
1437	5/15/98	1489	161	RTA00000628F.i.08.1	M00021912B:H11
1438	5/15/98	1489	162	RTA00000630F.c.09.1	M00022178D:H1
1439	5/15/98	1489	163	RTA00000633F.o.08.1	M00022897A:F4

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	Priority Appln Information				
SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
1440	5/15/98	1489	164	RTA00000628F.l.07.1	M00021947A:C1
1441	5/15/98	1489	165	RTA00000628F.n.18.1	M00021983D:B10
1442	5/15/98	1489	166	RTA00000630F.l.10.1	M00022254C:D8
1443	5/15/98	1489	167	RTA00000632F.i.01.1	M00022578D:F3
1444	5/15/98	1489	168	RTA00000629F.j.04.1	M00022093D:B10
1445	5/15/98	1489	169	RTA00000627F.j.16.1	M00021611D:D5
1446	5/15/98	1489	170	RTA00000629F.e.20.1	M00022069D:G2
1447	5/15/98	1489	171	RTA00000632F.h.21.1	M00022578C:B7
1448	5/15/98	1489	172	RTA00000629F.p.09.2	M00022157A:F12
1449	5/15/98	1489	173	RTA00000631F.d.22.1	M00022382D:H11
1450	5/15/98	1489	174	RTA00000630F.l.14.1	M00022255A:C8
1451	5/15/98	1489	175	RTA00000633F.h.12.1	M00022725C:E9
1452	5/15/98	1489	176	RTA00000630F.i.11.1	M00022231C:A4
1453	5/15/98	1489	177	RTA00000632F.a.05.1	M00022489C:A8
1454	5/15/98	1489	178	RTA00000629F.g.21.1	M00022081C:G11
1455	5/15/98	1489	179	RTA00000632F.e.12.1	M00022527A:E5
1456	5/15/98	1489	180	RTA00000632F.g.11.1	M00022557B:A8
1457	5/15/98	1489	181	RTA00000629F.f.22.1	M00022075D:F5
1458	5/15/98	1489	182	RTA00000630F.j.12.1	M00022239A:A10
1459	5/15/98	1489	183	RTA00000629F.h.16.1	M00022085C:C4
1460	5/15/98	1489	184	RTA00000633F.j.13.1	M00022745A:B4
1461	5/15/98	1489	185	RTA00000633F.h.10.1	M00022725C:B3
1462	5/15/98	1489	186	RTA00000632F.b.05.1	M00022493C:C6
1463	5/15/98	1489	187	RTA00000633F.h.18.1	M00022727B:C5
1464	5/15/98	1489	188	RTA00000633F.h.13.1	M00022726A:A6
1465	5/15/98	1489	189	RTA00000630F.i.09.1	M00022231A:F12
1466	5/15/98	1489	190	RTA00000593F.h.03.1	M00022176C:A8
1467	5/15/98	1489	191	RTA00000632F.c.18.1	M00022509D:F6
1468	5/15/98	1489	192	RTA00000593F.f.03.1	M00022081C:B11
1469	5/15/98	1489	193	RTA00000627F.n.21.1	M00021653A:G7
1470	5/15/98	1489	194	RTA00000631F.g.18.2	M00022407C:H11
1471	5/15/98	1489	195	RTA00000639F.c.14.1	M00022980B:E11
1472	5/15/98	1489	196	RTA00000633F.m.08.1	M00022824C:H11
1473	5/15/98	1489	197	RTA00000627F.m.10.1	M00021629D:D5
1474	5/15/98	1489	198	RTA00000632F.h.20.1	M00022578B:G5
1475	5/15/98	1489	199	RTA00000627F.o.09.1	M00021657B:C8
1476	5/15/98	1489	200	RTA00000632F.j.06.1	M00022594B:H12
1477	5/15/98	1489	201	RTA00000632F.d.07.1	M00022514A:D4
1478	5/15/98	1489	202	RTA00000629F.d.23.1	M00022064C:H7
1479	5/15/98	1489	203	RTA00000629F.m.05.1	M00022128A:D4

	Priority Appln Information				
SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
1480	5/15/98	1489	204	RTA00000639F.b.08.1	M00022963A:D11
1481	5/15/98	1489	205	RTA00000627F.l.21.1	M00021624A:D7
1482	5/15/98	1489	206	RTA00000628F.j.16.1	M00021927D:D12
1483	5/15/98	1489	207	RTA00000628F.b.08.1	M00021681C:B10
1484	5/15/98	1489	208	RTA00000630F.e.10.1	M00022199C:F3
1485	5/15/98	1489	209	RTA00000639F.b.21.1	M00022968A:F2
1486	5/15/98	1489	210	RTA00000631F.h.04.1	M00022411D:G9
1487	5/15/98	1489	211	RTA00000639F.c.15.1	M00022980C:A9
1488	5/15/98	1489	212	RTA00000631F.d.11.1	M00022381A:F5
1489	5/15/98	1489	213	RTA00000633F.e.18.1	M00022698C:E6
1490	5/15/98	1489	214	RTA00000615F.e.19.1	M00004875A:G9
1491	5/15/98	1489	215	RTA00000629F.n.11.2	M00022139A:C1
1492	5/15/98	1489	216	RTA00000631F.g.11.2	M00022404B:H5
1493	5/15/98	1489	217	RTA00000630F.o.18.1	M00022288C:D4
1494	5/15/98	1489	218	RTA00000633F.h.22.1	M00022730D:E10
1495	5/15/98	1489	219	RTA00000633F.e.24.1	M00022701B:B12
1496	5/15/98	1489	220	RTA00000633F.o.19.1	M00022900D:E8
1497	5/15/98	1489	221	RTA00000630F.e.04.1	M00022198A:C12
1498	5/15/98	1489	222	RTA00000627F.o.01.1	M00021654C:A2
1499	5/15/98	1489	223	RTA00000629F.k.21.1	M00022114C:B2
1500	5/15/98	1489	224	RTA00000631F.g.04.1	M00022399C:A10
1501	5/15/98	1489	225	RTA00000630F.m.03.1	M00022258C:F6
1502	5/15/98	1489	226	RTA00000629F.i.08.1	M00022090A:G8
1503	5/15/98	1489	227	RTA00000593F.d.02.2	M00021682B:D12
1504	5/15/98	1489	228	RTA00000631F.a.24.1	M00022365A:A1
1505	5/15/98	1489	229	RTA00000629F.p.06.2	M00022154A:C1
1506	5/15/98	1489	230	RTA00000633F.n.09.1	M00022856B:D7
1507	5/15/98	1489	231	RTA00000633F.f.14.1	M00022708A:C8
1508	5/15/98	1489	232	RTA00000629F.k.11.1	M00022106C:F4
1509	5/15/98	1489	233	RTA00000630F.b.02.1	M00022170D:H9
1510	5/15/98	1489	234	RTA00000633F.p.04.1	M00022902D:D3
1511	5/15/98	1489	235	RTA00000633F.n.08.1	M00022856A:D2
1512	5/15/98	1489	236	RTA00000628F.h.06.1	M00021897B:A6
1513	5/15/98	1489	237	RTA00000628F.d.05.1	M00021841C:D7
1514	5/15/98	1489	238	RTA00000627F.l.22.1	M00021624B:A3
1515	5/15/98	1489	239	RTA00000630F.f.19.1	M00022212C:C2
1516	5/15/98	1489	240	RTA00000630F.h.17.1	M00022220C:F8
1517	5/15/98	1489	241	RTA00000632F.i.15.1	M00022583B:E5
1518	5/15/98	1489	242	RTA00000633F.j.15.1	M00022745B:G2
1519	5/15/98	1489	243	RTA00000628F.k.05.1	M00021932C:G10

09842805 - 050499

	Priority Appln Information				
SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
1520	5/15/98	1489	244	RTA00000633F.d.04.1	M00022685A:F11
1521	5/15/98	1489	245	RTA00000639F.h.10.1	M00023094A:C4
1522	5/15/98	1489	246	RTA00000632F.f.11.1	M00022535D:C4
1523	5/15/98	1489	247	RTA00000631F.p.20.1	M00022480B:E7
1524	5/15/98	1489	248	RTA00000629F.o.17.2	M00022150A:H6
1525	5/15/98	1489	249	RTA00000592F.l.23.1	M00007986C:C5
1526	5/15/98	1489	250	RTA00000630F.d.10.1	M00022189A:A1
1527	5/15/98	1489	251	RTA00000632F.j.19.1	M00022600C:A6
1528	5/15/98	1489	252	RTA00000633F.n.10.1	M00022856B:F4
1529	5/15/98	1489	253	RTA00000628F.h.13.1	M00021905A:G5
1530	5/15/98	1489	254	RTA00000633F.k.05.1	M00022763A:E10
1531	5/15/98	1489	255	RTA00000633F.i.11.1	M00022735B:B1
1532	5/15/98	1489	256	RTA00000633F.o.20.1	M00022900D:G3
1533	5/15/98	1489	257	RTA00000628F.b.19.1	M00021690D:E5
1534	5/15/98	1489	258	RTA00000627F.p.14.1	M00021667D:E3
1535	5/15/98	1489	259	RTA00000628F.n.15.1	M00021983B:B3
1536	5/15/98	1489	260	RTA00000592F.p.22.1	M00008074D:C1
1537	5/15/98	1489	261	RTA00000628F.m.19.1	M00021977D:E2
1538	5/15/98	1489	262	RTA00000593F.a.05.1	M00008078C:C6
1539	5/15/98	1489	263	RTA00000639F.g.17.1	M00023036D:C4
1540	5/15/98	1489	264	RTA00000632F.j.15.1	M00022599A:C3
1541	5/15/98	1489	265	RTA00000592F.l.04.1	M00007971A:B4
1542	5/15/98	1489	266	RTA00000629F.c.07.1	M00022054D:C5
1543	5/15/98	1489	267	RTA00000592F.l.21.1	M00007985A:B9
1544	5/15/98	1489	268	RTA00000629F.h.15.1	M00022085C:A7
1545	5/15/98	1489	269	RTA00000633F.n.02.1	M00022835C:E6
1546	5/15/98	1489	270	RTA00000630F.n.24.1	M00022278D:F10
1547	5/15/98	1489	271	RTA00000592F.k.09.1	M00007953B:B3
1548	5/15/98	1489	272	RTA00000592F.l.10.1	M00007974B:C11
1549	5/15/98	1489	273	RTA00000628F.k.04.1	M00021932C:C5
1550	5/15/98	1489	274	RTA00000630F.h.24.1	M00022226C:B6
1551	5/15/98	1489	275	RTA00000629F.i.13.1	M00022091B:B7
1552	5/15/98	1489	276	RTA00000630F.b.01.1	M00022170D:H7
1553	5/15/98	1489	277	RTA00000628F.g.13.1	M00021886D:E4
1554	5/15/98	1489	278	RTA00000592F.m.13.1	M00007995D:E6
1555	5/15/98	1489	279	RTA00000633F.h.20.1	M00022728A:A9
1556	5/15/98	1489	280	RTA00000593F.d.08.2	M00021860B:G6
1557	5/15/98	1489	281	RTA00000629F.f.01.1	M00022071B:D5
1558	5/15/98	1489	282	RTA00000632F.i.11.1	M00022582C:E12
1559	5/15/98	1489	283	RTA00000632F.j.24.1	M00022604B:C11

	Priority Appln Information				
SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
1560	5/15/98	1489	284	RTA00000629F.f.03.1	M00022071C:C9
1561	5/15/98	1489	285	RTA00000593F.b.04.1	M00008094A:E10
1562	5/15/98	1489	286	RTA00000628F.l.12.1	M00021952B:F11
1563	5/15/98	1489	287	RTA00000632F.j.12.1	M00022597B:F11
1564	5/15/98	1489	288	RTA00000592F.k.23.1	M00007964B:D10
1565	5/15/98	1489	289	RTA00000632F.g.07.1	M00022556B:C4

09534926 - 090498

Table 1B

SEQ ID NO:	Sample Name	Overlap	Clone Name
1566	803.F11.sp6:165002	VO	M00004236D:E07
1567	180.B11.sp6:135937	VO	M00001453B:F08
1568	1033.D01.sp6:188349	VO	M00001455A:E09
1569	1164.H10.sp6:186952	VO	M00001455A:E09
1570	80.E12.sp6:130267	VNO	
1571	121.C2.sp6:131906	VNO	
1572	1035.D01.sp6:188733	VO	M00003939A:A02
1573	1034.G03.sp6:188579	VNO	
1574	020.C1.sp6:128615	VO	M00003820C:A09
1575	019.B1.sp6:128411	VO	M00003820C:A09
1576	803.F4.sp6:164995	VO	M00004052C:B05
1577	1033.C06.sp6:188342	VO	M00001654D:F06
1578	1035.H07.sp6:188787	VO	M00004034C:F05
1579	396.C9.sp6:149508	VO	M00004034C:F05
1580	396.D9.sp6:149520	VO	M00004035B:F05
1581	1035.B08.sp6:188716	VO	M00004035B:F05
1582	396.H9.sp6:149568	VNO	
1583	1035.D09.sp6:188741	VO	M00004037C:D07
1584	1036.B05.sp6:188905	VO	M00004115C:H04
1585	404.G2.sp6:162929	VNO	
1586	1035.D07.sp6:188739	VO	M00004031D:G02
1587	1034.A05.sp6:188509	VO	M00003829A:B08
1588	395.B5.sp6:149300	VO	M00003829A:B08
1589	1034.F07.sp6:188571	VO	M00003852D:D03
1590	1035.E04.sp6:188748	VO	M00003982A:G03
1591	396.F3.sp6:149538	VO	M00003982A:G03
1592	396.H3.sp6:149562	VO	M00003982B:C10
1593	1035.F04.sp6:188760	VNO	
1594	396.D4.sp6:149515	VO	M00003983A:D02
1595	1035.G04.sp6:188772	VO	M00003983A:D02
1596	396.D5.sp6:149516	VO	M00003985A:C01
1597	1035.B05.sp6:188713	VO	M00003985A:C01
1598	1035.C06.sp6:188726	VO	M00004028C:D01
1599	396.A7.sp6:149482	VNO	
1600	1035.E06.sp6:188750	VO	M00004029C:B03
1601	801.E1.sp6:164692	VO	M00001344D:G11
1602	801.F1.sp6:164704	VO	M00001345A:A12
1603	801.A2.sp6:164645	VNO	
1604	801.B2.sp6:164657	VNO	
1605	801.C2.sp6:164669	VO	M00001347A:G06
1606	801.D2.sp6:164681	VO	M00001347B:H01
1607	801.E2.sp6:164693	VNO	

SEQ ID NO:	Sample Name	Overlap	Clone Name
1608	801.F2.sp6:164705	VNO	
1609	801.A3.sp6:164646	VO	M00001355B:A01
1610	801.B3.sp6:164658	VO	M00001358D:D09
1611	801.C3.sp6:164670	VO	M00001359A:B07
1612	801.D3.sp6:164682	VO	M00001362A:C10
1613	801.E3.sp6:164694	VO	M00001362B:A09
1614	801.G3.sp6:164718	VO	M00001365D:D12
1615	801.H3.sp6:164730	VO	M00001365D:H09
1616	801.A4.sp6:164647	VNO	
1617	801.B4.sp6:164659	VO	M00001370A:G09
1618	801.C4.sp6:164671	VO	M00001370B:B04
1619	801.D4.sp6:164683	VO	M00001370B:B12
1620	801.E4.sp6:164695	VNO	
1621	801.G4.sp6:164719	VO	M00001374D:D09
1622	801.D5.sp6:164684	VO	M00001377C:B08
1623	801.F5.sp6:164708	VNO	
1624	801.G5.sp6:164720	VNO	
1625	801.H5.sp6:164732	VNO	
1626	801.A6.sp6:164649	VO	M00001384A:C09
1627	801.B6.sp6:164661	VO	M00001387A:A04
1628	801.D6.sp6:164685	VO	M00001389B:B06
1629	801.E6.sp6:164697	VO	M00001390A:C06
1630	801.F6.sp6:164709	VO	M00001390A:H01
1631	801.D7.sp6:164686	VNO	
1632	801.E7.sp6:164698	VO	M00001399C:E10
1633	1033.A01.sp6:188313	VO	M00001399D:F09
1634	801.G7.sp6:164722	VNO	
1635	801.H7.sp6:164734	VO	M00001401D:D04
1636	801.A8.sp6:164651	VNO	
1637	801.B8.sp6:164663	VO	M00001402D:C07
1638	801.C8.sp6:164675	VO	M00001402D:H03
1639	801.D8.sp6:164687	VO	M00001403B:A01
1640	801.E8.sp6:164699	VO	M00001405D:F05
1641	801.G8.sp6:164723	VO	M00001406C:A11
1642	801.B9.sp6:164664	VO	M00001407B:A08
1643	801.C9.sp6:164676	VO	M00001407D:H11
1644	801.D9.sp6:164688	VNO	
1645	801.E9.sp6:164700	VNO	
1646	801.F9.sp6:164712	VO	M00001411A:D01
1647	801.G9.sp6:164724	VNO	
1648	801.H9.sp6:164736	VO	M00001411C:G02
1649	801.B10.sp6:164665	VO	M00001412A:A11
1650	801.C10.sp6:164677	VNO	

09543536 - 050405

SEQ ID NO:	Sample Name	Overlap	Clone Name
1651	801.D10.sp6:164689	VNO	
1652	801.E10.sp6:164701	VO	M00001415D:E12
1653	801.F10.sp6:164713	VNO	
1654	801.G10.sp6:164725	VO	M00001417B:E01
1655	020.A6.sp6:128596	VO	M00001417B:E01
1656	801.H10.sp6:164737	VNO	
1657	801.A11.sp6:164654	VO	M00001417C:E02
1658	801.B11.sp6:164666	VNO	
1659	801.C11.sp6:164678	VO	M00001421A:H07
1660	801.F11.sp6:164714	VO	M00001423C:D06
1661	801.G11.sp6:164726	VO	M00001424A:H09
1662	801.H11.sp6:164738	VO	M00001425C:E10
1663	801.B12.sp6:164667	VO	M00001426A:F09
1664	801.C12.sp6:164679	VO	M00001426D:D09
1665	801.E12.sp6:164703	VO	M00001431A:C10
1666	801.F12.sp6:164715	VO	M00001431A:E05
1667	801.G12.sp6:164727	VO	M00001432A:F12
1668	801.H12.sp6:164739	VO	M00001432B:H08
1669	802.A1.sp6:164740	VO	M00001432C:G01
1670	802.B1.sp6:164752	VO	M00001433A:C07
1671	802.C1.sp6:164764	VNO	
1672	802.D1.sp6:164776	VO	M00001434A:A01
1673	802.E1.sp6:164788	VNO	
1674	802.F1.sp6:164800	VO	M00001435A:F03
1675	802.G1.sp6:164812	VO	M00001435A:G01
1676	802.H1.sp6:164824	VO	M00001435B:G10
1677	802.A2.sp6:164741	VO	M00001435C:G08
1678	802.B2.sp6:164753	VNO	
1679	802.C2.sp6:164765	VO	M00001435D:A06
1680	802.D2.sp6:164777	VO	M00001436D:C10
1681	802.E2.sp6:164789	VO	M00001437B:B05
1682	802.G2.sp6:164813	VNO	
1683	802.H2.sp6:164825	VO	M00001438C:H05
1684	802.A3.sp6:164742	VNO	
1685	802.B3.sp6:164754	VO	M00001439B:F10
1686	802.C3.sp6:164766	VO	M00001439C:A01
1687	802.D3.sp6:164778	VO	M00001439C:G06
1688	802.E3.sp6:164790	VO	M00001441D:H05
1689	802.F3.sp6:164802	VO	M00001442A:D08
1690	802.G3.sp6:164814	VNO	
1691	802.H3.sp6:164826	VO	M00001443D:A01
1692	802.A4.sp6:164743	VNO	
1693	802.B4.sp6:164755	VO	M00001444A:A09

SEQ ID NO:	Sample Name	Overlap	Clone Name
1694	802.C4.sp6:164767	VNO	
1695	802.D4.sp6:164779	VNO	
1696	802.E4.sp6:164791	VO	M00001446D:B10
1697	1033.B01.sp6:188325	VO	M00001448A:D05
1698	802.F4.sp6:164803	VO	M00001451B:H11
1699	802.G4.sp6:164815	VNO	
1700	802.H4.sp6:164827	VO	M00001452B:H06
1701	802.A5.sp6:164744	VO	M00001452D:E05
1702	802.C5.sp6:164768	VO	M00001453D:F09
1703	1033.C01.sp6:188337	VO	M00001455A:C03
1704	1033.E01.sp6:188361	VO	M00001456C:F02
1705	1033.F01.sp6:188373	VO	M00001458B:F06
1706	802.D5.sp6:164780	VO	M00001463C:A01
1707	802.E5.sp6:164792	VO	M00001466C:F02
1708	802.F5.sp6:164804	VNO	
1709	802.G5.sp6:164816	VO	M00001471C:G03
1710	1033.G01.sp6:188385	VO	M00001478A:B06
1711	1033.H01.sp6:188397	VO	M00001487D:G03
1712	802.H5.sp6:164828	VO	M00001488B:G12
1713	802.B6.sp6:164757	VO	M00001489B:F08
1714	802.C6.sp6:164769	VO	M00001489D:C08
1715	802.D6.sp6:164781	VO	M00001490B:G04
1716	802.E6.sp6:164793	VO	M00001491C:C01
1717	802.F6.sp6:164805	VNO	
1718	802.G6.sp6:164817	VO	M00001496A:B03
1719	802.H6.sp6:164829	VNO	
1720	802.A7.sp6:164746	VO	M00001496D:D02
1721	802.B7.sp6:164758	VNO	
1722	802.D7.sp6:164782	VNO	
1723	802.E7.sp6:164794	VO	M00001500A:D09
1724	802.F7.sp6:164806	VNO	
1725	802.G7.sp6:164818	VNO	
1726	802.H7.sp6:164830	VO	M00001504D:D09
1727	802.A8.sp6:164747	VO	M00001505A:E09
1728	802.B8.sp6:164759	VO	M00001506A:F01
1729	802.D8.sp6:164783	VO	M00001517D:C03
1730	802.E8.sp6:164795	VO	M00001518D:A10
1731	1033.A02.sp6:188314	VO	M00001530A:D11
1732	802.F8.sp6:164807	VO	M00001536B:B11
1733	802.G8.sp6:164819	VO	M00001537B:C12
1734	1033.B02.sp6:188326	VO	M00001539B:B01
1735	802.H8.sp6:164831	VO	M00001542C:D10
1736	802.A9.sp6:164748	VO	M00001542C:F06

SEQ ID NO:	Sample Name	Overlap	Clone Name
1737	802.B9.sp6:164760	VNO	
1738	802.C9.sp6:164772	VO	M00001543A:E04
1739	802.E9.sp6:164796	VO	M00001546B:H01
1740	802.G9.sp6:164820	VO	M00001551D:C12
1741	802.H9.sp6:164832	VO	M00001552B:D01
1742	802.A10.sp6:164749	VO	M00001553D:B06
1743	802.B10.sp6:164761	VNO	
1744	802.C10.sp6:164773	VO	M00001556D:A11
1745	802.D10.sp6:164785	VNO	
1746	802.E10.sp6:164797	VO	M00001557C:B08
1747	802.F10.sp6:164809	VO	M00001558B:A12
1748	802.G10.sp6:164821	VO	M00001560C:C01
1749	802.H10.sp6:164833	VO	M00001561B:C10
1750	1033.C02.sp6:188338	VO	M00001563C:D06
1751	1033.D02.sp6:188350	VO	M00001564C:D04
1752	1033.E02.sp6:188362	VO	M00001565A:A02
1753	1033.F02.sp6:188374	VO	M00001569B:F04
1754	1033.G02.sp6:188386	VO	M00001572C:E07
1755	1033.H02.sp6:188398	VO	M00001575A:H02
1756	1033.A03.sp6:188315	VO	M00001582D:B10
1757	1033.B03.sp6:188327	VO	M00001584C:A03
1758	1033.E04.sp6:188364	VO	M00001618B:F02
1759	1033.B08.sp6:188332	VO	M00001687C:A06
1760	1033.H12.sp6:188408	VNO	
1761	1034.C05.sp6:188533	VO	M00003830A:A10
1762	1034.F05.sp6:188569	VO	M00003833D:D06
1763	1034.D06.sp6:188546	VO	M00003839D:G06
1764	1034.G06.sp6:188582	VO	M00003843A:B01
1765	1034.H07.sp6:188595	VO	M00003858A:D01
1766	1034.A08.sp6:188512	VO	M00003859C:B09
1767	1034.E08.sp6:188560	VO	M00003868D:F07
1768	1034.C10.sp6:188538	VO	M00003895D:A03
1769	1034.B11.sp6:188527	VO	M00003906C:H12
1770	1034.G11.sp6:188587	VNO	
1771	1034.D12.sp6:188552	VO	M00003918C:E07
1772	1035.H01.sp6:188781	VNO	
1773	1035.G02.sp6:188770	VNO	
1774	325.D3.sp6:145862	VNO	
1775	1035.A05.sp6:188701	VNO	
1776	1035.F05.sp6:188761	VNO	
1777	803.H1.sp6:165016	VNO	
1778	803.F2.sp6:164993	VNO	
1779	1035.G06.sp6:188774	VO	M00004030A:G12

SEQ ID NO:	Sample Name	Overlap	Clone Name
1780	1035.A07.sp6:188703	VO	M00004030B:C05
1781	1035.B07.sp6:188715	VNO	
1782	1035.D08.sp6:188740	VO	M00004035D:C05
1783	1035.G08.sp6:188776	VO	M00004036C:D01
1784	1035.A09.sp6:188705	VNO	
1785	1035.B09.sp6:188717	VO	M00004037B:B05
1786	1035.G09.sp6:188777	VO	M00004038C:D12
1787	803.C4.sp6:164959	VO	M00004051C:D02
1788	803.A5.sp6:164936	VNO	
1789	774.E2.sp6:162484	VO	M00004054D:D02
1790	803.D5.sp6:164972	VNO	
1791	803.C6.sp6:164961	VNO	
1792	803.D6.sp6:164973	VNO	
1793	1035.A12.sp6:188708	VNO	
1794	1035.C12.sp6:188732	VO	M00004076D:B03
1795	774.E4.sp6:162500	VO	M00004081B:C11
1796	1035.G12.sp6:188780	VO	M00004081B:C11
1797	1036.H01.sp6:188973	VO	M00004089A:F02
1798	1036.D02.sp6:188926	VO	M00004091B:G04
1799	1036.G03.sp6:188963	VO	M00004103B:C07
1800	1036.F04.sp6:188952	VNO	
1801	1036.H04.sp6:188976	VO	M00004115A:F01
1802	1036.A05.sp6:188893	VO	M00004115A:G09
1803	1036.B06.sp6:188906	VNO	
1804	803.A7.sp6:164938	VNO	
1805	803.E8.sp6:164987	VNO	
1806	803.F8.sp6:164999	VO	M00004159D:C04
1807	803.A9.sp6:164940	VO	M00004160A:D07
1808	1036.D06.sp6:188930	VO	M00004178B:F06
1809	1036.F06.sp6:188954	VNO	
1810	1036.H06.sp6:188978	VO	M00004184B:F11
1811	1036.D09.sp6:188933	VO	M00004202B:A02
1812	1036.F09.sp6:188957	VO	M00004202B:G09
1813	803.H10.sp6:165025	VNO	
1814	803.H11.sp6:165026	VNO	
1815	803.C12.sp6:164967	VNO	
1816	804.D1.sp6:165160	VNO	
1817	983.D01.sp6:186199	VO	M00004247B:C11
1818	1036.D11.sp6:188935	VO	M00004249C:E12
1819	804.B3.sp6:165138	VNO	
1820	983.B03.sp6:186181	VO	M00004277D:C08
1821	804.F5.sp6:165188	VNO	
1822	983.F05.sp6:186221	VO	M00004337D:G08

SEQ ID NO:	Sample Name	Overlap	Clone Name
1823	983.G05.sp6:186230	VO	M00004345A:H06
1824	804.G5.sp6:165200	VNO	
1825	983.A06.sp6:186174	VO	M00004350B:F06
1826	804.A6.sp6:165129	VNO	
1827	774.D12.sp6:162563	VO	M00004350B:F06
1828	804.F7.sp6:165190	VNO	
1829	983.F07.sp6:186223	VO	M00004446A:G01
1830	992.E01.sp6:186367	VO	M00005332A:H10
1831	992.G02.sp6:186392	VNO	
1832	992.A04.sp6:186322	VO	M00005378C:A10
1833	992.D04.sp6:186358	VO	M00005384A:A01
1834	992.B05.sp6:186335	VO	M00005390B:G10
1835	992.H05.sp6:186407	VO	M00005399A:D01
1836	992.A06.sp6:186324	VNO	
1837	992.B06.sp6:186336	VO	M00005399D:B02
1838	020.G4.sp6:128666	VO	M00005404C:F02
1839	020.G8.sp6:128670	VO	M00005411A:C07
1840	992.H06.sp6:186408	VNO	
1841	953.F01.sp6:185185	VO	M00005411D:A03
1842	992.A07.sp6:186325	VO	M00005411D:A03
1843	992.D08.sp6:186362	VO	M00005446A:G01
1844	992.B09.sp6:186339	VO	M00005450B:B01
1845	953.A07.sp6:185131	VO	M00005450B:B01
1846	953.E07.sp6:185179	VO	M00005452C:A02
1847	992.E09.sp6:186375	VO	M00005452C:A02
1848	992.G09.sp6:186399	VO	M00005455A:D01
1849	992.H09.sp6:186411	VO	M00005455A:G03
1850	992.D11.sp6:186365	VNO	
1851	953.H10.sp6:185218	VO	M00005477C:D08
1852	992.F11.sp6:186389	VO	M00005477C:D08
1853	953.D11.sp6:185171	VO	M00005480A:H12
1854	992.H11.sp6:186413	VO	M00005480C:B12
1855	992.A12.sp6:186330	VO	M00005481C:A05
1856	953.E11.sp6:185183	VO	M00005481C:A05
1857	953.C12.sp6:185160	VO	M00005485C:A03
1858	992.F12.sp6:186390	VO	M00005485C:A03
1859	953.E12.sp6:185184	VO	M00005486C:B03
1860	993.C03.sp6:186537	VO	M00005510B:D06
1861	993.D03.sp6:186549	VO	M00005513A:D08
1862	993.E03.sp6:186561	VO	M00005524C:B01
1863	993.G03.sp6:186585	VO	M00005528D:H06
1864	993.A04.sp6:186514	VO	M00005530B:E04
1865	993.B05.sp6:186527	VO	M00005616B:D05

SEQ ID NO:	Sample Name	Overlap	Clone Name
1866	993.C06.sp6:186540	VNO	
1867	993.B08.sp6:186530	VO	M00005704A:B11
1868	993.C08.sp6:186542	VO	M00005708D:B03
1869	993.D09.sp6:186555	VO	M00005765C:C04
1870	993.E09.sp6:186567	VO	M00005772A:F03
1871	993.F10.sp6:186580	VO	M00006577B:H12
1872	993.C11.sp6:186545	VO	M00006587A:H08
1873	993.D11.sp6:186557	VNO	
1874	993.G11.sp6:186593	VNO	
1875	993.H12.sp6:186606	VO	M00006615B:F05
1876	626.B2.sp6:157417	VO	M00007953B:B03
1877	627.E6.sp6:157649	VO	M00007985A:B09
1878	633.C4.sp6:156098	VO	M00008061A:F02
1879	636.F10.sp6:158241	VO	M00022070B:C10
1880	641.G8.GZ42:158428	VO	M00022109B:A11
1881	642.B7.sp6:156281	VO	M00022176C:A08
1882	1010.F02.sp6:189986	VNO	
1883	1010.A09.sp6:189945	VO	M00022828C:E04
1884	1033.C03.sp6:188339	VO	M00001586A:F09
1885	1033.D03.sp6:188351	VO	M00001588D:H08
1886	1033.E03.sp6:188363	VO	M00001589C:D12
1887	1033.F03.sp6:188375	VO	M00001589D:G10
1888	1033.G03.sp6:188387	VO	M00001590D:A07
1889	802.A11.sp6:164750	VNO	
1890	802.B11.sp6:164762	VO	M00001597C:B03
1891	1033.H03.sp6:188399	VO	M00001598C:D10
1892	1033.A04.sp6:188316	VO	M00001599A:H09
1893	1033.B04.sp6:188328	VNO	
1894	1033.C04.sp6:188340	VO	M00001610B:A01
1895	1033.D04.sp6:188352	VO	M00001614C:G04
1896	1033.F04.sp6:188376	VO	M00001618C:E06
1897	1033.G04.sp6:188388	VO	M00001621C:A04
1898	802.E11.sp6:164798	VNO	
1899	802.G11.sp6:164822	VO	M00001623B:B01
1900	802.H11.sp6:164834	VO	M00001623D:A09
1901	1033.H04.sp6:188400	VO	M00001626B:H05
1902	1033.A05.sp6:188317	VNO	
1903	1033.B05.sp6:188329	VO	M00001634C:E12
1904	1033.C05.sp6:188341	VO	M00001639A:A04
1905	1033.D05.sp6:188353	VNO	
1906	1033.E05.sp6:188365	VO	M00001640A:F04
1907	1033.F05.sp6:188377	VO	M00001641B:G05
1908	802.C12.sp6:164775	VO	M00001644D:F09

SEQ ID NO:	Sample Name	Overlap	Clone Name
1909	1033.G05.sp6:188389	VO	M00001647C:C07
1910	1033.H05.sp6:188401	VO	M00001648C:F06
1911	1033.A06.sp6:188318	VNO	
1912	1033.B06.sp6:188330	VO	M00001649D:H05
1913	1033.D06.sp6:188354	VO	M00001655A:F07
1914	1033.E06.sp6:188366	VO	M00001656D:F11
1915	1033.F06.sp6:188378	VNO	
1916	1033.G06.sp6:188390	VNO	
1917	1033.H06.sp6:188402	VO	M00001660A:F10
1918	1033.A07.sp6:188319	VO	M00001663C:C03
1919	1033.B07.sp6:188331	VO	M00001669A:H11
1920	1033.C07.sp6:188343	VO	M00001669B:A03
1921	1033.D07.sp6:188355	VO	M00001675C:B03
1922	1033.E07.sp6:188367	VO	M00001677A:A06
1923	1033.F07.sp6:188379	VO	M00001677A:A12
1924	1033.G07.sp6:188391	VO	M00001678D:A12
1925	1033.H07.sp6:188403	VNO	
1926	1033.A08.sp6:188320	VNO	
1927	1033.C08.sp6:188344	VO	M00001693D:F07
1928	1033.D08.sp6:188356	VO	M00003741A:E01
1929	1033.E08.sp6:188368	VO	M00003745C:E03
1930	1033.F08.sp6:188380	VO	M00003746A:E01
1931	1033.G08.sp6:188392	VNO	
1932	1033.H08.sp6:188404	VO	M00003748B:B06
1933	1033.A09.sp6:188321	VO	M00003749B:C08
1934	1033.B09.sp6:188333	VO	M00003749D:G07
1935	1033.C09.sp6:188345	VO	M00003752A:B06
1936	1033.D09.sp6:188357	VO	M00003752D:D09
1937	1033.E09.sp6:188369	VO	M00003753C:B01
1938	1033.F09.sp6:188381	VO	M00003754C:F01
1939	1033.G09.sp6:188393	VO	M00003756C:C08
1940	1033.H09.sp6:188405	VO	M00003759A:E10
1941	1033.A10.sp6:188322	VO	M00003762A:D11
1942	1033.B10.sp6:188334	VO	M00003763B:D03
1943	1033.C10.sp6:188346	VO	M00003763D:F06
1944	1033.D10.sp6:188358	VO	M00003765D:E02
1945	1033.E10.sp6:188370	VO	M00003766A:G09
1946	1033.F10.sp6:188382	VO	M00003766B:G04
1947	1033.G10.sp6:188394	VO	M00003767C:F04
1948	1033.H10.sp6:188406	VO	M00003769B:A04
1949	1033.A11.sp6:188323	VO	M00003769D:G12
1950	1033.B11.sp6:188335	VO	M00003770D:C07
1951	1033.C11.sp6:188347	VO	M00003771A:G09

SEQ ID NO:	Sample Name	Overlap	Clone Name
1952	1033.D11.sp6:188359	VO	M00003771D:A10
1953	1033.E11.sp6:188371	VO	M00003773A:C09
1954	1033.F11.sp6:188383	VO	M00003773B:E09
1955	1033.G11.sp6:188395	VO	M00003773B:G08
1956	1033.H11.sp6:188407	VO	M00003773C:G06
1957	1033.A12.sp6:188324	VO	M00003773D:C02
1958	802.E12.sp6:164799	VNO	
1959	802.F12.sp6:164811	VNO	
1960	802.G12.sp6:164823	VO	M00003784C:B09
1961	802.H12.sp6:164835	VO	M00003785D:E01
1962	803.A1.sp6:164932	VNO	
1963	803.B1.sp6:164944	VNO	
1964	803.C1.sp6:164956	VNO	
1965	1033.B12.sp6:188336	VO	M00003789C:E03
1966	1033.C12.sp6:188348	VO	M00003790B:F12
1967	1033.D12.sp6:188360	VO	M00003793C:D11
1968	1033.F12.sp6:188384	VO	M00003796B:C07
1969	1033.G12.sp6:188396	VO	M00003796C:H03
1970	1034.A01.sp6:188505	VO	M00003797D:H06
1971	1034.B01.sp6:188517	VNO	
1972	1034.C01.sp6:188529	VO	M00003801D:F05
1973	1034.D01.sp6:188541	VO	M00003805A:G05
1974	1034.E01.sp6:188553	VO	M00003808C:D09
1975	1034.F01.sp6:188565	VO	M00003809A:A12
1976	1034.G01.sp6:188577	VO	M00003809A:H12
1977	1034.H01.sp6:188589	VO	M00003809B:D08
1978	1034.A02.sp6:188506	VO	M00003811B:E07
1979	1034.B02.sp6:188518	VO	M00003812B:F08
1980	1034.C02.sp6:188530	VO	M00003812D:E08
1981	1034.D02.sp6:188542	VO	M00003813D:A06
1982	1034.E02.sp6:188554	VO	M00003815C:A06
1983	1034.F02.sp6:188566	VNO	
1984	1034.G02.sp6:188578	VNO	
1985	1034.H02.sp6:188590	VO	M00003818A:F09
1986	1034.A03.sp6:188507	VO	M00003818B:A01
1987	1034.B03.sp6:188519	VO	M00003818C:E09
1988	1034.C03.sp6:188531	VNO	
1989	1034.D03.sp6:188543	VO	M00003819C:E04
1990	1034.E03.sp6:188555	VO	M00003819D:G09
1991	1034.F03.sp6:188567	VO	M00003820A:H04
1992	1034.H03.sp6:188591	VO	M00003820D:E02
1993	1034.A04.sp6:188508	VO	M00003821C:E04
1994	1034.B04.sp6:188520	VO	M00003822A:G05

SEQ ID NO:	Sample Name	Overlap	Clone Name
1995	803.E12.sp6:164991	VNO	
1996	020.E2.sp6:128640	VO	M00004242C:C01
1997	019.F9.sp6:128467	VO	M00006720C:C11
1998	019.G10.sp6:128480	VO	M00007019A:B01
1999	1034.C04.sp6:188532	VNO	
2000	1034.D04.sp6:188544	VO	M00003825B:A05
2001	1034.E04.sp6:188556	VNO	
2002	1034.F04.sp6:188568	VO	M00003825C:B02
2003	1034.G04.sp6:188580	VO	M00003825C:B12
2004	1034.B05.sp6:188521	VO	M00003829A:E02
2005	1034.D05.sp6:188545	VO	M00003832B:G03
2006	1034.E05.sp6:188557	VO	M00003833B:A11
2007	1034.G05.sp6:188581	VO	M00003834A:A03
2008	1034.A06.sp6:188510	VO	M00003835D:H05
2009	1034.B06.sp6:188522	VO	M00003837C:F05
2010	1034.C06.sp6:188534	VNO	
2011	1034.E06.sp6:188558	VO	M00003841A:E09
2012	1034.F06.sp6:188570	VO	M00003841B:D05
2013	1034.H06.sp6:188594	VO	M00003844C:D04
2014	1034.A07.sp6:188511	VO	M00003844C:H05
2015	1034.B07.sp6:188523	VO	M00003845A:A05
2016	1034.C07.sp6:188535	VO	M00003846B:H02
2017	1034.D07.sp6:188547	VO	M00003846D:C12
2018	1034.E07.sp6:188559	VO	M00003850B:D11
2019	1034.G07.sp6:188583	VNO	
2020	1034.B08.sp6:188524	VO	M00003860B:A07
2021	803.D1.sp6:164968	VO	M00003862C:H10
2022	803.E1.sp6:164980	VO	M00003864B:A04
2023	803.F1.sp6:164992	VNO	
2024	803.G1.sp6:165004	VO	M00003864D:G05
2025	1034.C08.sp6:188536	VNO	
2026	1034.D08.sp6:188548	VO	M00003868D:F02
2027	1034.F08.sp6:188572	VO	M00003871A:E09
2028	1034.G08.sp6:188584	VNO	
2029	1034.H08.sp6:188596	VNO	
2030	1034.A09.sp6:188513	VNO	
2031	1034.B09.sp6:188525	VO	M00003884D:A12
2032	1034.C09.sp6:188537	VNO	
2033	1034.D09.sp6:188549	VO	M00003887B:C03
2034	1034.E09.sp6:188561	VO	M00003888B:A10
2035	1034.F09.sp6:188573	VO	M00003888C:E01
2036	1034.G09.sp6:188585	VO	M00003890B:H07
2037	1034.H09.sp6:188597	VO	M00003890D:C03

SEQ ID NO:	Sample Name	Overlap	Clone Name
2038	1034.A10.sp6:188514	VO	M00003892D:D04
2039	1034.B10.sp6:188526	VO	M00003893C:D12
2040	1034.D10.sp6:188550	VO	M00003896B:F08
2041	1034.E10.sp6:188562	VO	M00003896D:B01
2042	1034.F10.sp6:188574	VNO	
2043	1034.G10.sp6:188586	VO	M00003903C:H03
2044	1034.H10.sp6:188598	VO	M00003905C:B01
2045	1034.A11.sp6:188515	VO	M00003905C:E10
2046	1034.C11.sp6:188539	VO	M00003909D:G01
2047	1034.D11.sp6:188551	VO	M00003911C:G05
2048	1034.E11.sp6:188563	VO	M00003912B:G11
2049	1034.F11.sp6:188575	VO	M00003912C:C11
2050	1034.H11.sp6:188599	VO	M00003914C:E03
2051	1034.A12.sp6:188516	VO	M00003915A:D09
2052	1034.B12.sp6:188528	VNO	
2053	1034.C12.sp6:188540	VO	M00003915C:G01
2054	1034.E12.sp6:188564	VO	M00003920B:A10
2055	1034.F12.sp6:188576	VNO	
2056	1034.G12.sp6:188588	VO	M00003921D:C06
2057	1034.H12.sp6:188600	VO	M00003923A:H07
2058	1035.A01.sp6:188697	VNO	
2059	1035.B01.sp6:188709	VNO	
2060	1035.C01.sp6:188721	VO	M00003936C:F10
2061	1035.E01.sp6:188745	VO	M00003948B:B03
2062	1035.F01.sp6:188757	VO	M00003949B:A08
2063	1035.G01.sp6:188769	VO	M00003949B:D05
2064	1035.A02.sp6:188698	VO	M00003961B:A12
2065	1035.B02.sp6:188710	VO	M00003961C:G02
2066	1035.C02.sp6:188722	VO	M00003962B:B09
2067	1035.D02.sp6:188734	VO	M00003963B:D12
2068	1035.E02.sp6:188746	VO	M00003965A:F07
2069	1035.F02.sp6:188758	VNO	
2070	1035.H02.sp6:188782	VNO	
2071	1035.A03.sp6:188699	VO	M00003973A:C05
2072	1035.B03.sp6:188711	VO	M00003973B:H06
2073	1035.C03.sp6:188723	VO	M00003974B:A04
2074	1035.D03.sp6:188735	VNO	
2075	1035.E03.sp6:188747	VNO	
2076	1035.F03.sp6:188759	VNO	
2077	1035.G03.sp6:188771	VO	M00003976D:D12
2078	1035.H03.sp6:188783	VO	M00003977C:A08
2079	1035.A04.sp6:188700	VO	M00003980B:F12
2080	1035.B04.sp6:188712	VO	M00003980C:A11

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SEQ ID NO:	Sample Name	Overlap	Clone Name
2081	1035.C04.sp6:188724	VO	M00003980C:G10
2082	1035.D04.sp6:188736	VO	M00003981C:E04
2083	1035.H04.sp6:188784	VO	M00003983C:E07
2084	1035.C05.sp6:188725	VNO	
2085	1035.D05.sp6:188737	VO	M00003987D:F06
2086	1035.E05.sp6:188749	VO	M00003988B:C10
2087	1035.G05.sp6:188773	VNO	
2088	803.A2.sp6:164933	VO	M00003992C:G01
2089	803.B2.sp6:164945	VO	M00003992D:G01
2090	803.C2.sp6:164957	VNO	
2091	803.D2.sp6:164969	VO	M00003994C:C11
2092	803.E2.sp6:164981	VO	M00003996D:C04
2093	803.G2.sp6:165005	VO	M00003997D:D07
2094	803.H2.sp6:165017	VNO	
2095	803.A3.sp6:164934	VO	M00003998A:D03
2096	803.B3.sp6:164946	VO	M00003998A:G12
2097	803.C3.sp6:164958	VO	M00003998C:H10
2098	803.D3.sp6:164970	VO	M00003999C:C12
2099	1035.H05.sp6:188785	VO	M00004027A:B10
2100	1035.A06.sp6:188702	VO	M00004027C:H01
2101	1035.B06.sp6:188714	VO	M00004028C:B04
2102	1035.D06.sp6:188738	VO	M00004029A:E01
2103	1035.F06.sp6:188762	VNO	
2104	1035.H06.sp6:188786	VO	M00004030B:B02
2105	1035.C07.sp6:188727	VO	M00004031A:G05
2106	1035.E07.sp6:188751	VO	M00004032D:D03
2107	1035.F07.sp6:188763	VNO	
2108	1035.G07.sp6:188775	VNO	
2109	1035.A08.sp6:188704	VNO	
2110	1035.C08.sp6:188728	VO	M00004035B:H11
2111	1035.E08.sp6:188752	VO	M00004035D:E04
2112	1035.F08.sp6:188764	VO	M00004036B:F09
2113	1035.H08.sp6:188788	VO	M00004037A:A07
2114	1035.C09.sp6:188729	VO	M00004037C:C05
2115	1035.E09.sp6:188753	VO	M00004037D:B05
2116	1035.F09.sp6:188765	VO	M00004038C:C05
2117	1035.H09.sp6:188789	VO	M00004039D:D03
2118	1035.A10.sp6:188706	VO	M00004040B:B09
2119	1035.B10.sp6:188718	VO	M00004040C:G12
2120	1035.C10.sp6:188730	VO	M00004040D:B05
2121	1035.D10.sp6:188742	VO	M00004041B:F01
2122	1035.E10.sp6:188754	VO	M00004041D:E06
2123	1035.F10.sp6:188766	VO	M00004043D:C10

SEQ ID NO:	Sample Name	Overlap	Clone Name
2124	1035.G10.sp6:188778	VNO	
2125	803.E3.sp6:164982	VO	M00004045A:B12
2126	803.F3.sp6:164994	VO	M00004046A:F04
2127	803.G3.sp6:165006	VNO	
2128	803.H3.sp6:165018	VNO	
2129	803.A4.sp6:164935	VNO	
2130	803.B4.sp6:164947	VNO	
2131	803.D4.sp6:164971	VNO	
2132	803.E4.sp6:164983	VO	M00004052C:A08
2133	803.G4.sp6:165007	VO	M00004054B:G02
2134	803.H4.sp6:165019	VO	M00004054D:A03
2135	803.B5.sp6:164948	VO	M00004055B:F06
2136	803.C5.sp6:164960	VO	M00004058B:C11
2137	803.E5.sp6:164984	VO	M00004058C:E08
2138	803.F5.sp6:164996	VO	M00004059A:G09
2139	803.G5.sp6:165008	VO	M00004060C:A02
2140	803.H5.sp6:165020	VNO	
2141	803.A6.sp6:164937	VO	M00004060D:A07
2142	803.B6.sp6:164949	VO	M00004063C:B11
2143	803.E6.sp6:164985	VNO	
2144	1035.H10.sp6:188790	VO	M00004068A:F02
2145	1035.A11.sp6:188707	VO	M00004068B:D04
2146	1035.B11.sp6:188719	VNO	
2147	1035.C11.sp6:188731	VO	M00004069B:B01
2148	1035.D11.sp6:188743	VO	M00004069D:G02
2149	1035.E11.sp6:188755	VO	M00004071A:H03
2150	1035.F11.sp6:188767	VO	M00004073D:B11
2151	1035.G11.sp6:188779	VNO	
2152	1035.H11.sp6:188791	VNO	
2153	1035.B12.sp6:188720	VNO	
2154	1035.D12.sp6:188744	VNO	
2155	1035.E12.sp6:188756	VNO	
2156	1035.F12.sp6:188768	VO	M00004078C:A08
2157	1035.H12.sp6:188792	VO	M00004081C:A01
2158	1036.A01.sp6:188889	VO	M00004084A:D11
2159	1036.B01.sp6:188901	VO	M00004084C:G04
2160	1036.C01.sp6:188913	VO	M00004085B:G06
2161	1036.D01.sp6:188925	VO	M00004086A:A03
2162	1036.E01.sp6:188937	VO	M00004086D:A07
2163	1036.F01.sp6:188949	VO	M00004087C:F05
2164	1036.G01.sp6:188961	VO	M00004088A:F12
2165	1036.A02.sp6:188890	VO	M00004089A:G03
2166	1036.B02.sp6:188902	VO	M00004091A:E01

SEQ ID NO:	Sample Name	Overlap	Clone Name
2167	1036.C02.sp6:188914	VO	M00004091B:C12
2168	1036.E02.sp6:188938	VO	M00004091C:F04
2169	1036.F02.sp6:188950	VO	M00004091D:D09
2170	1036.G02.sp6:188962	VO	M00004092A:C03
2171	1036.H02.sp6:188974	VO	M00004092A:D04
2172	1036.A03.sp6:188891	VO	M00004093A:F03
2173	1036.B03.sp6:188903	VO	M00004093D:D09
2174	1036.C03.sp6:188915	VNO	
2175	1036.D03.sp6:188927	VO	M00004101D:A03
2176	1036.E03.sp6:188939	VO	M00004102B:B04
2177	1036.F03.sp6:188951	VO	M00004102C:F07
2178	1036.H03.sp6:188975	VNO	
2179	1036.A04.sp6:188892	VNO	
2180	1036.B04.sp6:188904	VNO	
2181	1036.C04.sp6:188916	VNO	
2182	1036.D04.sp6:188928	VO	M00004107C:A01
2183	1036.E04.sp6:188940	VNO	
2184	1036.G04.sp6:188964	VO	M00004114C:F02
2185	1036.C05.sp6:188917	VO	M00004117B:F01
2186	1036.D05.sp6:188929	VO	M00004120A:C02
2187	1036.E05.sp6:188941	VO	M00004126B:G02
2188	1036.F05.sp6:188953	VNO	
2189	1036.G05.sp6:188965	VO	M00004129A:H08
2190	1036.H05.sp6:188977	VO	M00004130C:A09
2191	1036.A06.sp6:188894	VO	M00004130D:E04
2192	1036.C06.sp6:188918	VO	M00004133D:A01
2193	803.F6.sp6:164997	VNO	
2194	803.G6.sp6:165009	VNO	
2195	803.H6.sp6:165021	VNO	
2196	803.B7.sp6:164950	VO	M00004143A:G12
2197	803.C7.sp6:164962	VO	M00004143A:H07
2198	803.D7.sp6:164974	VNO	
2199	803.E7.sp6:164986	VNO	
2200	803.F7.sp6:164998	VO	M00004145C:A03
2201	803.G7.sp6:165010	VO	M00004146D:A07
2202	803.H7.sp6:165022	VO	M00004147A:G03
2203	803.A8.sp6:164939	VO	M00004149B:H12
2204	803.B8.sp6:164951	VNO	
2205	803.C8.sp6:164963	VO	M00004153D:E06
2206	803.D8.sp6:164975	VO	M00004154D:F11
2207	803.G8.sp6:165011	VNO	
2208	803.H8.sp6:165023	VNO	
2209	803.B9.sp6:164952	VNO	

SEQ ID NO:	Sample Name	Overlap	Clone Name
2210	803.C9.sp6:164964	VNO	
2211	803.D9.sp6:164976	VNO	
2212	803.E9.sp6:164988	VNO	
2213	803.F9.sp6:165000	VNO	
2214	803.G9.sp6:165012	VO	M00004166B:E10
2215	803.H9.sp6:165024	VO	M00004166C:A03
2216	803.A10.sp6:164941	VO	M00004166D:G07
2217	803.B10.sp6:164953	VNO	
2218	803.C10.sp6:164965	VNO	
2219	1036.E06.sp6:188942	VO	M00004180B:F04
2220	1036.G06.sp6:188966	VNO	
2221	803.D10.sp6:164977	VNO	
2222	1036.A07.sp6:188895	VNO	
2223	1036.B07.sp6:188907	VNO	
2224	1036.C07.sp6:188919	VNO	
2225	1036.D07.sp6:188931	VO	M00004188A:E10
2226	1036.F07.sp6:188955	VNO	
2227	1036.G07.sp6:188967	VO	M00004190C:G07
2228	1036.H07.sp6:188979	VO	M00004190D:A10
2229	1036.A08.sp6:188896	VNO	
2230	1036.B08.sp6:188908	VO	M00004191B:G01
2231	1036.C08.sp6:188920	VO	M00004193A:C07
2232	1036.D08.sp6:188932	VO	M00004193C:H01
2233	803.E10.sp6:164989	VO	M00004196C:G05
2234	1036.E08.sp6:188944	VO	M00004198D:H04
2235	1036.F08.sp6:188956	VO	M00004199D:C02
2236	1036.G08.sp6:188968	VO	M00004200A:A09
2237	1036.H08.sp6:188980	VO	M00004200A:G06
2238	803.F10.sp6:165001	VNO	
2239	1036.A09.sp6:188897	VO	M00004200D:A07
2240	1036.B09.sp6:188909	VO	M00004201D:C11
2241	1036.C09.sp6:188921	VO	M00004201D:E12
2242	1036.E09.sp6:188945	VNO	
2243	1036.G09.sp6:188969	VO	M00004204A:D04
2244	1036.H09.sp6:188981	VO	M00004204A:D10
2245	1036.A10.sp6:188898	VO	M00004204B:A04
2246	1036.B10.sp6:188910	VNO	
2247	1036.C10.sp6:188922	VO	M00004210A:B09
2248	1036.D10.sp6:188934	VO	M00004213A:H12
2249	1036.E10.sp6:188946	VO	M00004214A:D03
2250	1036.F10.sp6:188958	VO	M00004216D:E10
2251	1036.G10.sp6:188970	VO	M00004217A:A05
2252	1036.H10.sp6:188982	VO	M00004217A:A11

SEQ ID NO:	Sample Name	Overlap	Clone Name
2253	1036.A11.sp6:188899	VO	M00004217D:G10
2254	1036.B11.sp6:188911	VO	M00004218C:G10
2255	1036.C11.sp6:188923	VNO	
2256	803.G10.sp6:165013	VNO	
2257	803.A11.sp6:164942	VNO	
2258	803.B11.sp6:164954	VNO	
2259	803.C11.sp6:164966	VNO	
2260	803.D11.sp6:164978	VO	M00004234B:E03
2261	803.E11.sp6:164990	VO	M00004234B:G06
2262	803.G11.sp6:165014	VO	M00004236D:F04
2263	803.A12.sp6:164943	VNO	
2264	803.B12.sp6:164955	VO	M00004240D:A07
2265	803.D12.sp6:164979	VNO	
2266	803.F12.sp6:165003	VO	M00004242C:C02
2267	803.G12.sp6:165015	VNO	
2268	803.H12.sp6:165027	VO	M00004244B:A02
2269	804.A1.sp6:165124	VNO	
2270	983.A01.sp6:186169	VO	M00004245A:G09
2271	983.B01.sp6:186179	VO	M00004245C:A03
2272	804.C1.sp6:165148	VNO	
2273	983.C01.sp6:186189	VO	M00004247A:E01
2274	983.E01.sp6:186208	VO	M00004248A:G08
2275	804.E1.sp6:165172	VNO	
2276	1036.E11.sp6:188947	VNO	
2277	1036.F11.sp6:188959	VO	M00004252D:A07
2278	1036.G11.sp6:188971	VO	M00004252D:H08
2279	1036.H11.sp6:188983	VO	M00004253B:A10
2280	1036.A12.sp6:188900	VO	M00004253B:F06
2281	1036.B12.sp6:188912	VO	M00004253C:E10
2282	1036.C12.sp6:188924	VO	M00004253D:F09
2283	1036.D12.sp6:188936	VO	M00004257C:A08
2284	1036.E12.sp6:188948	VO	M00004260A:B07
2285	1036.F12.sp6:188960	VO	M00004260C:A12
2286	1036.G12.sp6:188972	VO	M00004260C:E10
2287	1036.H12.sp6:188984	VO	M00004262C:C01
2288	804.F1.sp6:165184	VNO	
2289	983.F01.sp6:186217	VO	M00004263D:F06
2290	983.G01.sp6:186226	VNO	
2291	983.H01.sp6:186235	VO	M00004266B:H06
2292	804.H1.sp6:165208	VNO	
2293	983.A02.sp6:186170	VO	M00004268C:F08
2294	983.B02.sp6:186180	VO	M00004268D:G07
2295	804.B2.sp6:165137	VNO	

SEQ ID NO:	Sample Name	Overlap	Clone Name
2296	983.C02.sp6:186190	VO	M00004269A:B11
2297	804.D2.sp6:165161	VNO	
2298	983.D02.sp6:186200	VO	M00004269D:E08
2299	983.E02.sp6:186209	VO	M00004272D:D02
2300	804.E2.sp6:165173	VNO	
2301	804.F2.sp6:165185	VNO	
2302	983.F02.sp6:186218	VO	M00004273D:E11
2303	804.G2.sp6:165197	VNO	
2304	983.G02.sp6:186227	VO	M00004276C:E12
2305	804.H2.sp6:165209	VNO	
2306	983.H02.sp6:186236	VNO	
2307	983.A03.sp6:186171	VO	M00004277C:H11
2308	804.A3.sp6:165126	VNO	
2309	804.C3.sp6:165150	VNO	
2310	983.C03.sp6:186191	VO	M00004279D:E02
2311	983.D03.sp6:186201	VNO	
2312	804.D3.sp6:165162	VNO	
2313	983.E03.sp6:186210	VO	M00004281B:B05
2314	804.E3.sp6:165174	VNO	
2315	804.F3.sp6:165186	VNO	
2316	983.F03.sp6:186219	VO	M00004283C:D03
2317	983.G03.sp6:186228	VNO	
2318	804.G3.sp6:165198	VNO	
2319	804.H3.sp6:165210	VNO	
2320	983.H03.sp6:186237	VO	M00004285B:E01
2321	804.A4.sp6:165127	VNO	
2322	983.A04.sp6:186172	VNO	
2323	804.B4.sp6:165139	VNO	
2324	983.B04.sp6:186182	VNO	
2325	804.C4.sp6:165151	VNO	
2326	983.C04.sp6:186192	VNO	
2327	983.D04.sp6:186202	VO	M00004297D:E08
2328	804.D4.sp6:165163	VNO	
2329	804.E4.sp6:165175	VNO	
2330	983.E04.sp6:186211	VO	M00004298B:D04
2331	804.F4.sp6:165187	VNO	
2332	983.F04.sp6:186220	VO	M00004308A:E06
2333	804.G4.sp6:165199	VNO	
2334	983.G04.sp6:186229	VO	M00004324B:D09
2335	983.H04.sp6:186238	VO	M00004328A:H06
2336	804.H4.sp6:165211	VNO	
2337	804.A5.sp6:165128	VNO	
2338	983.A05.sp6:186173	VO	M00004329C:F11

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SEQ ID NO:	Sample Name	Overlap	Clone Name
2339	804.B5.sp6:165140	VNO	
2340	983.B05.sp6:186183	VO	M00004331D:H08
2341	983.C05.sp6:186193	VNO	
2342	804.C5.sp6:165152	VNO	
2343	983.D05.sp6:186203	VO	M00004332B:E11
2344	804.D5.sp6:165164	VNO	
2345	983.E05.sp6:186212	VO	M00004332C:E09
2346	804.E5.sp6:165176	VNO	
2347	983.H05.sp6:186239	VNO	
2348	804.H5.sp6:165212	VNO	
2349	804.B6.sp6:165141	VNO	
2350	983.B06.sp6:186184	VO	M00004383A:F02
2351	983.C06.sp6:186194	VO	M00004385C:B11
2352	804.C6.sp6:165153	VNO	
2353	983.D06.sp6:186204	VO	M00004388C:D05
2354	804.D6.sp6:165165	VNO	
2355	804.E6.sp6:165177	VNO	
2356	983.E06.sp6:186213	VO	M00004389C:E01
2357	983.F06.sp6:186222	VNO	
2358	804.F6.sp6:165189	VNO	
2359	983.G06.sp6:186231	VO	M00004406A:H03
2360	804.G6.sp6:165201	VNO	
2361	983.H06.sp6:186240	VNO	
2362	804.H6.sp6:165213	VNO	
2363	804.A7.sp6:165130	VO	M00004408D:A10
2364	983.A07.sp6:186175	VO	M00004408D:A10
2365	983.B07.sp6:186185	VO	M00004410A:E03
2366	983.C07.sp6:186195	VO	M00004412B:E03
2367	983.D07.sp6:186205	VO	M00004419D:G01
2368	804.E7.sp6:165178	VNO	
2369	983.E07.sp6:186214	VO	M00004421A:G04
2370	804.G7.sp6:165202	VNO	
2371	983.G07.sp6:186232	VO	M00004447D:D10
2372	804.H7.sp6:165214	VNO	
2373	983.H07.sp6:186241	VO	M00004449D:H01
2374	983.A08.sp6:186176	VO	M00004460B:H09
2375	804.A8.sp6:165131	VNO	
2376	804.B8.sp6:165143	VNO	
2377	983.B08.sp6:186186	VNO	
2378	983.C08.sp6:186196	VO	M00004465C:B10
2379	804.C8.sp6:165155	VNO	
2380	983.D08.sp6:186206	VO	M00004465C:B12
2381	804.D8.sp6:165167	VNO	

SEQ ID NO:	Sample Name	Overlap	Clone Name
2382	983.E08.sp6:186215	VNO	
2383	804.E8.sp6:165179	VNO	
2384	983.F08.sp6:186224	VO	M00004467A:F09
2385	804.F8.sp6:165191	VNO	
2386	804.G8.sp6:165203	VNO	
2387	983.G08.sp6:186233	VO	M00004467D:F09
2388	804.H8.sp6:165215	VNO	
2389	983.H08.sp6:186242	VO	M00004469A:C12
2390	804.A9.sp6:165132	VNO	
2391	983.A09.sp6:186177	VNO	
2392	983.B09.sp6:186187	VO	M00004491D:D07
2393	804.B9.sp6:165144	VNO	
2394	804.C9.sp6:165156	VNO	
2395	983.C09.sp6:186197	VO	M00004497C:E09
2396	983.D09.sp6:186207	VO	M00004498B:E01
2397	804.D9.sp6:165168	VNO	
2398	804.E9.sp6:165180	VNO	
2399	983.E09.sp6:186216	VO	M00004501A:G06
2400	983.F09.sp6:186225	VO	M00004506C:H10
2401	804.G9.sp6:165204	VNO	
2402	983.G09.sp6:186234	VO	M00004508A:G12
2403	804.H9.sp6:165216	VNO	
2404	983.H09.sp6:186243	VO	M00004508B:G02
2405	804.A10.sp6:165133	VNO	
2406	983.A10.sp6:186178	VO	M00004509A:H02
2407	983.B10.sp6:186188	VNO	
2408	804.B10.sp6:165145	VNO	
2409	983.C10.sp6:186198	VO	M00004609C:C11
2410	992.B01.sp6:186331	VO	M00005294D:H02
2411	992.C01.sp6:186343	VO	M00005326B:F03
2412	992.G01.sp6:186391	VO	M00005342A:C04
2413	992.H01.sp6:186403	VO	M00005342A:D04
2414	992.A02.sp6:186320	VO	M00005342B:G10
2415	992.B02.sp6:186332	VO	M00005342D:F03
2416	992.C02.sp6:186344	VO	M00005349B:G01
2417	992.D02.sp6:186356	VO	M00005352B:D02
2418	992.H02.sp6:186404	VO	M00005354C:E02
2419	992.A03.sp6:186321	VO	M00005356A:D09
2420	992.C03.sp6:186345	VO	M00005359D:G07
2421	992.E03.sp6:186369	VO	M00005377A:A04
2422	992.H03.sp6:186405	VO	M00005378A:A08
2423	992.B04.sp6:186334	VO	M00005383D:D06
2424	992.C04.sp6:186346	VO	M00005383D:E07

SEQ ID NO:	Sample Name	Overlap	Clone Name
2425	992.E04.sp6:186370	VNO	
2426	992.F04.sp6:186382	VO	M00005385C:G05
2427	992.G04.sp6:186394	VNO	
2428	992.A05.sp6:186323	VO	M00005388D:F09
2429	992.D05.sp6:186359	VO	M00005393A:E11
2430	992.E05.sp6:186371	VO	M00005394A:G07
2431	992.G05.sp6:186395	VO	M00005397C:B03
2432	992.D06.sp6:186360	VNO	
2433	992.G06.sp6:186396	VO	M00005409D:C02
2434	992.C07.sp6:186349	VO	M00005415C:G08
2435	992.E07.sp6:186373	VO	M00005417A:E10
2436	992.F07.sp6:186385	VNO	
2437	992.A08.sp6:186326	VO	M00005442D:C05
2438	992.B08.sp6:186338	VNO	
2439	992.C08.sp6:186350	VO	M00005444B:E11
2440	992.E08.sp6:186374	VO	M00005446C:D12
2441	992.F08.sp6:186386	VNO	
2442	992.G08.sp6:186398	VNO	
2443	992.H08.sp6:186410	VNO	
2444	992.D09.sp6:186363	VNO	
2445	992.F09.sp6:186387	VO	M00005454C:H12
2446	992.E10.sp6:186376	VO	M00005462C:B02
2447	992.H10.sp6:186412	VO	M00005468A:D08
2448	953.H09.sp6:185217	VO	M00005468A:D08
2449	992.C11.sp6:186353	VO	M00005469D:C11
2450	992.D12.sp6:186366	VO	M00005483D:A12
2451	992.E12.sp6:186378	VO	M00005484A:D09
2452	992.H12.sp6:186414	VNO	
2453	993.A01.sp6:186511	VNO	
2454	993.B01.sp6:186523	VO	M00005491B:C03
2455	993.C01.sp6:186535	VO	M00005493B:A12
2456	993.D01.sp6:186547	VO	M00005493B:C08
2457	993.E01.sp6:186559	VO	M00005493B:E01
2458	993.F01.sp6:186571	VO	M00005494D:F11
2459	993.G01.sp6:186583	VO	M00005496C:A01
2460	993.H01.sp6:186595	VO	M00005496D:A10
2461	993.A02.sp6:186512	VO	M00005497B:H07
2462	993.B02.sp6:186524	VO	M00005497C:C07
2463	993.C02.sp6:186536	VNO	
2464	993.D02.sp6:186548	VO	M00005497C:C12
2465	993.E02.sp6:186560	VO	M00005497C:E03
2466	993.F02.sp6:186572	VO	M00005498B:F08
2467	993.G02.sp6:186584	VO	M00005498C:G05

SEQ ID NO:	Sample Name	Overlap	Clone Name
2468	993.H02.sp6:186596	VO	M00005505A:C08
2469	993.A03.sp6:186513	VO	M00005508A:H01
2470	993.B03.sp6:186525	VO	M00005508B:B04
2471	993.F03.sp6:186573	VO	M00005528D:A10
2472	993.H03.sp6:186597	VO	M00005530B:D03
2473	993.B04.sp6:186526	VO	M00005534A:G06
2474	993.C04.sp6:186538	VO	M00005534B:H10
2475	993.D04.sp6:186550	VO	M00005539D:G07
2476	993.E04.sp6:186562	VO	M00005548B:E03
2477	993.F04.sp6:186574	VO	M00005550B:D09
2478	993.G04.sp6:186586	VO	M00005565C:A08
2479	993.H04.sp6:186598	VO	M00005571A:E11
2480	993.A05.sp6:186515	VO	M00005589C:B03
2481	993.C05.sp6:186539	VNO	
2482	993.D05.sp6:186551	VO	M00005620C:C05
2483	993.E05.sp6:186563	VO	M00005621A:G10
2484	993.F05.sp6:186575	VO	M00005621D:F01
2485	993.G05.sp6:186587	VNO	
2486	993.H05.sp6:186599	VO	M00005626A:B11
2487	993.A06.sp6:186516	VO	M00005631A:A11
2488	993.B06.sp6:186528	VO	M00005632C:D06
2489	993.D06.sp6:186552	VNO	
2490	993.E06.sp6:186564	VO	M00005636C:D11
2491	993.F06.sp6:186576	VO	M00005637B:D12
2492	993.G06.sp6:186588	VNO	
2493	993.H06.sp6:186600	VNO	
2494	993.A07.sp6:186517	VO	M00005642B:C03
2495	993.B07.sp6:186529	VO	M00005645D:F08
2496	993.C07.sp6:186541	VNO	
2497	993.D07.sp6:186553	VNO	
2498	993.E07.sp6:186565	VO	M00005647D:D09
2499	993.F07.sp6:186577	VO	M00005655B:C02
2500	993.G07.sp6:186589	VNO	
2501	993.H07.sp6:186601	VO	M00005703A:C08
2502	993.A08.sp6:186518	VNO	
2503	993.D08.sp6:186554	VO	M00005710A:C08
2504	993.E08.sp6:186566	VO	M00005720A:D03
2505	993.F08.sp6:186578	VO	M00005720B:D09
2506	993.G08.sp6:186590	VNO	
2507	993.H08.sp6:186602	VO	M00005722D:G03
2508	993.A09.sp6:186519	VO	M00005743B:F02
2509	993.B09.sp6:186531	VO	M00005762D:A01
2510	993.C09.sp6:186543	VO	M00005763B:H09

SEQ ID NO:	Sample Name	Overlap	Clone Name
2511	993.F09.sp6:186579	VO	M00005783A:C05
2512	993.G09.sp6:186591	VO	M00005810C:D04
2513	993.H09.sp6:186603	VO	M00005812C:F10
2514	993.A10.sp6:186520	VO	M00005813D:F06
2515	993.C10.sp6:186544	VO	M00005818C:E08
2516	993.D10.sp6:186556	VO	M00005818C:G01
2517	993.E10.sp6:186568	VO	M00006576D:F11
2518	993.G10.sp6:186592	VO	M00006581C:D02
2519	993.H10.sp6:186604	VO	M00006581D:H08
2520	993.A11.sp6:186521	VNO	
2521	993.B11.sp6:186533	VO	M00006582D:E05
2522	993.E11.sp6:186569	VO	M00006594A:E08
2523	993.F11.sp6:186581	VO	M00006594D:F09
2524	993.H11.sp6:186605	VO	M00006596D:H04
2525	993.A12.sp6:186522	VO	M00006601C:A07
2526	993.B12.sp6:186534	VO	M00006601C:E06
2527	993.C12.sp6:186546	VO	M00006601D:F04
2528	993.D12.sp6:186558	VO	M00006604C:H10
2529	993.E12.sp6:186570	VO	M00006607B:E03
2530	993.F12.sp6:186582	VO	M00006607B:F04
2531	993.G12.sp6:186594	VO	M00006609A:G10
2532	1010.A01.sp6:189937	VO	M00022495C:G05
2533	1010.B01.sp6:189947	VO	M00022498C:C08
2534	1010.C01.sp6:189957	VO	M00022504B:E03
2535	1010.D01.sp6:189967	VO	M00022505D:A12
2536	1010.E01.sp6:189976	VO	M00022509D:F06
2537	1010.F01.sp6:189985	VNO	
2538	1010.G01.sp6:189994	VO	M00022515D:C04
2539	1010.H01.sp6:190003	VO	M00022527A:E05
2540	1010.A02.sp6:189938	VO	M00022527D:B03
2541	1010.B02.sp6:189948	VO	M00022531B:D07
2542	1010.C02.sp6:189958	VO	M00022535D:B11
2543	1010.D02.sp6:189968	VO	M00022535D:C04
2544	1010.E02.sp6:189977	VO	M00022536B:B04
2545	1010.G02.sp6:189995	VO	M00022551A:G03
2546	1010.H02.sp6:190004	VO	M00022556B:C04
2547	1010.A03.sp6:189939	VO	M00022556B:G02
2548	1010.B03.sp6:189949	VNO	
2549	1010.C03.sp6:189959	VO	M00022562C:H10
2550	1010.D03.sp6:189969	VNO	
2551	1010.E03.sp6:189978	VO	M00022578B:G05
2552	1010.F03.sp6:189987	VO	M00022578C:B07
2553	1010.G03.sp6:189996	VO	M00022578D:A08

SEQ ID NO:	Sample Name	Overlap	Clone Name
2554	1010.H03.sp6:190005	VO	M00022578D:F03
2555	1010.A04.sp6:189940	VNO	
2556	1010.B04.sp6:189950	VO	M00022583B:E05
2557	1010.C04.sp6:189960	VO	M00022587C:G04
2558	1010.D04.sp6:189970	VO	M00022594B:H12
2559	1010.E04.sp6:189979	VO	M00022597B:F11
2560	1010.F04.sp6:189988	VO	M00022598A:F11
2561	1010.G04.sp6:189997	VNO	
2562	1010.H04.sp6:190006	VO	M00022599D:E07
2563	1010.A05.sp6:189941	VO	M00022600C:A06
2564	1010.B05.sp6:189951	VO	M00022604B:C11
2565	1010.C05.sp6:189961	VO	M00022607B:A04
2566	1010.D05.sp6:189971	VO	M00022613D:C04
2567	1010.E05.sp6:189980	VO	M00022651D:C06
2568	1010.F05.sp6:189989	VNO	
2569	1010.G05.sp6:189998	VNO	
2570	1010.H05.sp6:190007	VO	M00022666B:E12
2571	1010.A06.sp6:189942	VO	M00022666C:H11
2572	1010.B06.sp6:189952	VNO	
2573	1010.C06.sp6:189962	VO	M00022681C:H02
2574	1010.D06.sp6:189972	VO	M00022682A:F12
2575	1010.E06.sp6:189981	VO	M00022685A:F11
2576	1010.F06.sp6:189990	VO	M00022698C:E06
2577	1010.G06.sp6:189999	VO	M00022701B:B12
2578	1010.H06.sp6:190008	VO	M00022708A:C08
2579	1010.A07.sp6:189943	VO	M00022708D:G10
2580	1010.B07.sp6:189953	VO	M00022716D:D08
2581	1010.C07.sp6:189963	VNO	
2582	1010.D07.sp6:189973	VO	M00022725C:B03
2583	1010.E07.sp6:189982	VO	M00022725C:E09
2584	1010.F07.sp6:189991	VO	M00022726A:A06
2585	1010.G07.sp6:190000	VNO	
2586	1010.H07.sp6:190009	VNO	
2587	1010.A08.sp6:189944	VO	M00022730A:E04
2588	1010.B08.sp6:189954	VNO	
2589	1010.C08.sp6:189964	VO	M00022735B:B01
2590	1010.D08.sp6:189974	VO	M00022737A:C08
2591	1010.E08.sp6:189983	VNO	
2592	1010.F08.sp6:189992	VO	M00022745B:G02
2593	1010.G08.sp6:190001	VO	M00022763A:E10
2594	1010.H08.sp6:190010	VO	M00022824C:H11
2595	1010.B09.sp6:189955	VO	M00022835C:E06
2596	1010.C09.sp6:189965	VO	M00022854D:H07

SEQ ID NO:	Sample Name	Overlap	Clone Name
2597	1010.D09.sp6:189975	VO	M00022856A:D02
2598	1010.E09.sp6:189984	VNO	
2599	1010.F09.sp6:189993	VO	M00022856B:F04
2600	1010.G09.sp6:190002	VO	M00022856C:B11
2601	1010.H09.sp6:190011	VO	M00022893C:H11
2602	1010.A10.sp6:189946	VO	M00022897A:F04
2603	1010.B10.sp6:189956	VO	M00022900D:E08
2604	1010.C10.sp6:189966	VO	M00022900D:G03
2605	019.C4.sp6:128426	VO	M00004190A:A09
2606	774.C8.sp6:162530	VO	M00004190A:A09
2607	1036.E07.sp6:188943	VO	M00004190A:A09
2608	019.E11.sp6:128457	VO	M00005817D:E12
2609	993.B10.sp6:186532	VO	M00005817D:E12
2610	019.G5.sp6:128475	VO	M00006927C:F12

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Table 1C

SEQ ID NO:	Sequence Name	THC Accession No.
2611	RTA00000587F.p.24.1.Seq	THC226834
2612	RTA00000629F.l.02.1.Seq	THC210324
2613	RTA00000623F.n.17.1.Seq	THC208388
2614	RTA00000593F.i.08.2.Seq	H91190
2615	RTA00000622F.b.03.1.Seq	AA554045
2616	RTA00000618F.e.06.1.Seq	THC226692
2617	RTA00000592F.o.02.1.Seq	AA099789
2618	RTA00000618F.c.04.1.Seq	THC222808
2619	RTA00000590F.i.01.1.Seq	THC173163
2620	RTA00000606F.o.14.1.Seq	THC223717
2621	RTA00000626F.d.07.1.Seq	THC234888
2622	RTA00000587F.l.08.1.Seq	THC104384
2623	RTA00000586F.a.13.1.Seq	THC140691
2624	RTA00000617F.a.17.1.Seq	THC221850
2625	RTA00000615F.b.23.1.Seq	THC205191
2626	RTA00000632F.f.10.1.Seq	N39216
2627	RTA00000607F.o.13.2.Seq	THC233619
2628	RTA00000622F.c.12.1.Seq	THC118482
2629	RTA00000625F.b.07.1.Seq	THC223154
2630	RTA00000587F.j.01.1.Seq	H63018
2631	RTA00000608F.i.15.1.Seq	THC216448
2632	RTA00000592F.j.06.1.Seq	THC148215
2633	RTA00000589F.b.14.1.Seq	THC158020
2634	RTA00000633F.g.19.1.Seq	THC202541
2635	RTA00000620F.o.07.1.Seq	THC155200
2636	RTA00000586F.p.01.1.Seq	AA558590
2637	RTA00000630F.l.10.1.Seq	THC204748
2638	RTA00000626F.c.13.1.Seq	AA159259
2639	RTA00000591F.m.06.1.Seq	THC227858
2640	RTA00000630F.i.11.1.Seq	THC228806
2641	RTA00000621F.h.08.1.Seq	THC163604
2642	RTA00000589F.d.10.1.Seq	THC177076
2643	RTA00000597F.p.01.1.Seq	THC210746
2644	RTA00000619F.c.13.1.Seq	R57955
2645	RTA00000607F.c.07.2.Seq	THC208762
2646	RTA00000595F.b.02.1.Seq	THC233682
2647	RTA00000631F.h.04.1.Seq	THC223281
2648	RTA00000596F.p.18.1.Seq	THC197103
2649	RTA00000586F.o.13.1.Seq	THC222729
2650	RTA00000610F.p.17.1.Seq	EST19015
2651	RTA00000596F.c.05.1.Seq	EST72617

SEQ ID NO:	Sequence Name	THC Accession No.
2652	RTA00000632F.j.19.1.Seq	THC90741
2653	RTA00000607F.e.23.2.Seq	AA639216
2654	RTA00000628F.b.19.1.Seq	THC118075
2655	RTA00000609F.d.13.1.Seq	THC195579
2656	RTA00000621F.k.03.1.Seq	EST70278
2657	RTA00000592F.l.04.1.Seq	THC91941
2658	RTA00000592F.k.09.1.Seq	THC229803
2659	RTA00000622F.e.17.1.Seq	R57425
2660	RTA00000628F.g.13.1.Seq	THC176706
2661	RTA00000592F.k.23.1.Seq	THC232202
2662	RTA00000609F.m.04.2.Seq	AA507611
2663	RTA00000626F.b.04.1.Seq	EST69420
2664	RTA00000591F.m.01.1.Seq	H41850
2665	RTA00000608F.n.23.1.Seq	THC214886
2666	RTA00000583F.d.19.1.Seq	THC229251
2667	RTA00000621F.p.15.1.Seq	THC212450
2668	RTA00000583F.n.05.1.Seq	AA252468
2669	RTA00000597F.f.17.1.Seq	THC219322
2670	RTA00000606F.l.10.1.Seq	THC225232
2671	RTA00000618F.n.14.1.Seq	THC216591
2672	RTA00000612F.h.05.3.Seq	THC158250
2673	RTA00000619F.a.24.1.Seq	AA437370
2674	RTA00000617F.k.13.1.Seq	AA244445
2675	RTA00000623F.h.07.1.Seq	THC212330
2676	RTA00000620F.e.01.1.Seq	THC167493
2677	RTA00000620F.h.10.1.Seq	THC232456
2678	RTA00000589F.e.21.2.Seq	THC208239
2679	RTA00000626F.b.22.1.Seq	THC225644
2680	RTA00000620F.i.16.1.Seq	AA536090
2681	RTA00000613F.c.17.1.Seq	THC92470
2682	RTA00000621F.c.12.1.Seq	THC156244
2683	RTA00000618F.b.17.1.Seq	THC209838
2684	RTA00000585F.d.16.1.Seq	THC211870
2685	RTA00000592F.a.06.1.Seq	THC233200
2686	RTA00000583F.p.08.1.Seq	THC196844
2687	RTA00000622F.h.21.1.Seq	EST12698
2688	RTA00000591F.h.03.1.Seq	THC213771
2689	RTA00000620F.g.22.1.Seq	THC224063
2690	RTA00000588F.l.20.2.Seq	R84876
2691	RTA00000614F.a.20.1.Seq	R84876
2692	RTA00000611F.n.14.3.Seq	THC200742
2693	RTA00000619F.f.23.1.Seq	THC227573

SEQ ID NO:	Sequence Name	THC Accession No.
2694	RTA00000608F.g.24.1.Seq	T93977
2695	RTA00000595F.o.01.2.Seq	EST61392
2696	RTA00000608F.b.23.1.Seq	THC161665
2697	RTA00000606F.o.23.1.Seq	AA464645
2698	RTA00000588F.i.22.3.Seq	THC162216
2699	RTA00000610F.i.13.1.Seq	AA595068
2700	RTA00000608F.b.15.1.Seq	EST11866
2701	RTA00000597F.e.16.1.Seq	N88730
2702	RTA00000610F.h.13.1.Seq	THC195895
2703	RTA00000611F.h.21.2.Seq	EST46722
2704	RTA00000584F.b.06.1.Seq	EST02998
2705	RTA00000584F.b.06.2.Seq	EST02998
2706	RTA00000608F.j.05.1.Seq	EST60433
2707	RTA00000588F.b.03.1.Seq	THC164651

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Table 2A: Nearest Neighbor (BlastN vs. Genbank)

SEQ ID	ACC'N	DESCRIP.	P VALUE
571	L17043	Homo sapiens pregnancy-specific beta-1-glycoprotein-11 gene.	1.00E-12
578	M18864	Rat bone protein I (BP-I) mRNA, partial cds.	7.00E-30
609	L13838	Human genomic sequence from chromosome 13, clone ch13lambdacDNA17-18.	4.00E-36
618	U09646	Human carnitine palmitoyltransferase II precursor	1.00E-34
627	U72621	Human LOT1 mRNA, complete cds	1.00E-43
629	M20910	Human 7S L gene, complete.	1.00E-35
636	Z48950	H.sapiens hH3.3B gene for histone H3.3	4.00E-36
639	X00247	Human translocated c-myc gene in Raji Burkitt lymphoma cells	3.00E-44
643	D80007	Human mRNA for KIAA0185 gene, partial cds	7.00E-52
646	U14967	Human ribosomal protein L21 mRNA, complete cds.	2.00E-42
649	M13934	Human ribosomal protein S14 gene, complete cds.	4.00E-45
652	NM_003902.1	Homo sapiens far upstream element binding protein (FUBP) mRNA > :: gb\|U05040\|HSU05040 Human FUSE binding protein mRNA, complete cds.	1.00E-54
657	L41142	Homo sapiens signal transducer and activator of transcription (STAT5) mRNA, complete cds.	2.00E-62
665	Z12112	pWE15A cosmid vector DNA	2.00E-52
667	Z54386	H.sapiens CpG island DNA genomic Mse1 fragment, clone 10g3, forward read cpg10g3.ft1a	7.00E-48
668	X80333	M.musculus rab18 mRNA	2.00E-52
669	X52126	Human alternatively spliced c-myb mRNA	1.00E-64
671	L26247	Homo sapiens sui1iso1 mRNA, complete cds.	3.00E-54
676	NM_001736.1	Homo sapiens complement component 5 receptor 1 C5a anaphylatoxin receptor mRNA, complete cds.	4.00E-56
677	Z50798	G.gallus mRNA for p52	4.00E-55
679	AB002368	Human mRNA for KIAA0370 gene, partial cds	2.00E-58
681	M26697	Human nucleolar protein (B23) mRNA, complete cds.	4.00E-48
683	D42087	Human mRNA for KIAA0118 gene, partial cds	4.00E-56
693	D50734	Rat mRNA of antizyme inhibitor, complete cds	2.00E-50
697	X02344	Homo sapiens beta 2 gene	1.00E-67
698	NM_001067.1	Homo sapiens topoisomerase (DNA) II alpha topoisomerase II (top2) mRNA, complete cds.	7.00E-63
701	U36309	Gallus gallus rhoGap protein mRNA, complete cds	3.00E-62
703	NM_002842.1	Homo sapiens protein tyrosine phosphatase, receptor type, H (PTPRH) mRNA > :: dbj\|D15049\|HUMSAP1C Human mRNA for protein tyrosine phosphatase	2.00E-81
707	U47322	Cloning vector DNA, complete sequence.	1.00E-63

Table 2A: Nearest Neighbor (BlastN vs. Genbank)

SEQ ID	ACC'N	DESCRIP.	P VALUE
		Homo sapiens branched chain aminotransferase 2, mitochondrial	
714	NM_001190.1	(BCAT2) mRNA > :: gb\|U68418\|HSU68418 Human branched chain aminotransferase precursor (BCATm) mRNA, nuclear gene encoding mitochondrial protein, complete cds	4.00E-67
718	S62077	HP1Hs alpha=25 kda chromosomal autoantigen [human, mRNA, 876 nt]	5.00E-68
719	U34991	Human endogenous retrovirus clone c18.4, HERV-H/HERV-E hybrid multiply spliced protease/integrase mRNA, complete cds, and envelope protein mRNA, partial cds	2.00E-61
722	U18671	Human Stat2 gene, complete cds.	4.00E-77
723	L18964	Human protein kinase C iota isoform (PRKCI) mRNA, complete cds.	4.00E-68
724	D29956	Human mRNA for KIAA0055 gene, complete cds	6.00E-70
725	M77140	H.sapiens pro-galanin mRNA, 3' end.	2.00E-72
728	U51432	Homo sapiens nuclear protein Skip mRNA, complete cds	1.00E-75
729	M84334	Macacca mulatta hnRNP A1-gamma isoform mRNA, complete cds.	5.00E-50
730	NM_002592.1	Homo sapiens proliferating cell nuclear antigen (PCNA) mRNA > :: gb\|M15796\|HUMCYL Human cyclin protein gene, complete cds.	1.00E-74
731	M88458	Human ELP-1 mRNA sequence.	4.00E-76
732	U44940	Mus musculus quaking type I (QKI) mRNA, complete cds	2.00E-69
733	D17577	Mouse mRNA for kinesin-like protein (Kif1b), complete cds	2.00E-71
734	U18920	Human chromosome 17q12-21 mRNA, clone pOV-3, partial cds.	2.00E-72
736	M21188	Human insulin-degrading enzyme (IDE) mRNA, complete cds.	7.00E-82
737	U49058	Rattus norvegicus CTD-binding SR-like protein rA4 mRNA, partial cds	1.00E-67
739	D10630	Mus musculus mRNA for zinc finger protein, complete cds, clone:CTfin51	4.00E-76
740	U29156	Mus musculus eps15R mRNA, complete cds.	3.00E-84
741	Y08135	M.musculus mRNA for ASM-like phosphodiesterase 3a	1.00E-86
742	U90567	Gallus gallus glutamine rich protein mRNA, partial cds	5.00E-58
743	U58280	Mus musculus second largest subunit of RNA polymerase I (RPA2) mRNA, complete cds	4.00E-77
744	S79539	Pat-12=Pat-12 product [mice, embryonic stem ES cells, mRNA, 2781 nt]	9.00E-84
745	D30666	Rat mRNA for brain acyl-CoA synthetase II, complete cds	2.00E-89
746	U29156	Mus musculus eps15R mRNA, complete cds.	2.00E-92

Table 2A: Nearest Neighbor (BlastN vs. Genbank)

SEQ ID	ACC'N	DESCRIP.	P VALUE
748	U36909	Bos taurus Rho-associated kinase mRNA, complete cds	e-104
749	L36315	Mus musculus (clone pMLZ-1) zinc finger protein	e-105
750	X80169	M.musculus mRNA for 200 kD protein	e-106
751	X83577	M.musculus mRNA for K-glypican	e-107
1060	Z95437	Human DNA sequence from cosmid A1 on chromosome 6 contains ESTs. HERV like retroviral sequence	8.00E-21
1112	X69907	H.sapiens gene for mitochondrial ATP synthase c subunit (P1 form)	6.00E-07
1125	M19390	Bovine interstitial retinol binding protein	8.00E-31
1156	U19247	Homo sapiens interferon-gamma receptor alpha chain gene, exon 7 and complete cds	7.00E-41
1170	U20239	Mus musculus fibrosin mRNA, partial cds	5.00E-38
1171	D26361	Human mRNA for KIAA0042 gene, complete cds	2.00E-41
1195	NM_000694.1	Homo sapiens aldehyde dehydrogenase 7 (ALDH7) mRNA > :: gb\|U10868\|HSU10868 Human aldehyde dehydrogenase ALDH7 mRNA, complete cds.	1.00E-37
1196	U84404	Human E6-associated protein E6-AP/ubiquitin-protein ligase (UBE3A) mRNA, alternatively spliced, complete cds	1.00E-46
1203	U51714	Human GPI protein p137 mRNA, partial sequence, 3'-UTR.	9.00E-53
1204	U58884	Mus musculus SH3-containing protein SH3P7 mRNA, complete cds. similar to Human Drebrin	2.00E-49
1210	X79067	H.sapiens ERF-1 mRNA 3' end	2.00E-72
1212	U00946	Human clone A9A2BRB5 (CAC)n/(GTG)n repeat-containing mRNA	3.00E-54
1217	D11078	Homo sapiens RGH2 gene, retrovirus-like element	6.00E-49
1219	U05989	Rattus norvegicus clone par-4 induced by effectors of apoptosis mRNA, complete cds.	3.00E-64
1220	U13185	Cloning vector pbetagal-Enhancer, complete sequence.	3.00E-52
1222	D87443	Human mRNA for KIAA0254 gene, complete cds	8.00E-63
1225	U19867	Cloning vector pSPL3, exon splicing vector, complete sequence, HIV envelope protein gp160 and beta-lactamase, complete cds.	7.00E-72
1227	U04817	Human protein kinase PITSLRE alpha 2-3 mRNA, complete cds.	4.00E-57
1230	U03687	Photinus pyralis modified luciferase gene, complete cds, and pUC18 derived vector.	3.00E-62
1231	U27196	Gallus gallus zinc finger protein (Fzf-1) mRNA, complete cds.	1.00E-66
1235	X53586	Human mRNA for integrin alpha 6	2.00E-71
1236	J05016	Human (clone pA3) protein disulfide isomerase related protein (ERp72) mRNA, complete cds.	3.00E-67

Table 2A: Nearest Neighbor (BlastN vs. Genbank)

SEQ ID	ACC'N	DESCRIP.	P VALUE
1237	M86752	Human transformation-sensitive protein (IEF SSP 3521) mRNA, complete cds.	1.00E-66
1239	L19437	Human transaldolase mRNA containing transposable element, complete cds	5.00E-70
1241	X90857	H.sapiens mRNA for -14 gene, containing globin regulatory element	1.00E-74
1242	NM_003980.1	Homo sapiens microtubule associated protein 7 mRNA	9.00E-76
1245	U17901	Rattus norvegicus phospholipase A-2-activating protein (plap) mRNA, complete cds.	3.00E-75
1246	S80632	threonine, tyrosine phosphatase [human, brain, mRNA Partial, 1236 nt]	2.00E-69
1247	M76541	Human DNA-binding protein (NF-E1) mRNA, complete cds.	2.00E-80
1248	S55305	14-3-3 protein gamma subtype=putative protein kinase C regulatory protein [rats, brain, mRNA, 3410 nt] > :: dbj\|D17447\|D17447 Rattus norvegicus mRNA for 14-3-3 protein gamma-subtype, complete cds	7.00E-93
1249	NM_002350.1	Homo sapiens v-yes-1 Yamaguchi sarcoma viral related oncogene homolog (LYN) mRNA > :: gb\|M16038\|HUMLYN Human lyn mRNA encoding a tyrosine kinase.	3.00E-86
1250	Y10725	M.musculus mRNA for protein kinase KIS	4.00E-68
1251	U89931	Cloning vector pTRE, complete sequence	3.00E-65
1252	Z46386	Bovine herpesvirus type 4 DNA for nonconserved region F (DN599 like strain)	3.00E-73
1253	L77599	Homo sapiens (clone SEL214) 17q YAC (303G8) RNA.	2.00E-69
1255	Y10746	H.sapiens mRNA for protein containing MBD 1	2.00E-79
1256	L77599	Homo sapiens (clone SEL214) 17q YAC (303G8) RNA.	2.00E-71
1257	Z57619	H.sapiens CpG island DNA genomic Mse1 fragment, clone 187a6, forward read cpg187a6.ft1b	7.00E-72
1258	U48807	Human MAP kinase phosphatase (MKP-2) mRNA, complete cds	3.00E-76
1260	M27444	Bos taurus (clone pTKD7) dopamine and cyclic AMP-regulated neuronal phosphoprotein (DARPP-32) mRNA, complete cds.	4.00E-76
1261	U37150	Bos taurus peptide methionine sulfoxide reductase (msrA) mRNA, complete cds	5.00E-78
1262	U02435	Cloning vector pSVbeta, complete sequence	1.00E-77
1263	U09662	Cloning vector pSEAP-Enhancer, complete sequence	4.00E-79
1264	M99566	sCos cloning vector SfiI containing bacteriophage promoters and flanking restriction sites in sCos vectors.	1.00E-79
1266	Z12112	pWE15A cosmid vector DNA	4.00E-80

Table 2A: Nearest Neighbor (BlastN vs. Genbank)

SEQ ID	ACC'N	DESCRIP.	P VALUE
1267	U55387	Cricetulus griseus SL15 mRNA, complete cds	2.00E-82
		Rattus norvegicus nuclear-encoded mitochondrial elongation	
1269	L14684	factor G mRNA, complete cds.	2.00E-91
1270	U49057	Rattus norvegicus CTD-binding SR-like protein rA9 mRNA, complete cds	7.00E-93
1271	U57368	Mus musculus EGF repeat transmembrane protein mRNA, complete cds.	4.00E-97
1272	AF000938	Mus musculus RNA polymerase I largest subunit	8.00E-94
1274	X80169	M.musculus mRNA for 200 kD protein	e-102
1275	U09874	Mus musculus SKD3 mRNA, complete cds.	e-105
1276	D78020	Rat mRNA for NFI-A4, partial cds	e-108
1515	Z73360	Human DNA sequence from cosmid 92M18, BRCA2 gene region chromosome 13q12-13	9.00E-22
1522	X62078	H.sapiens mRNA for GM2 activator protein	7.00E-72
1523	X85750	H.sapiens mRNA for transcript associated with monocyte to macrophage differentiation	2.00E-50
1525	X03473	Human gene for histone H1(0)	1.00E-67
1535	X64411	R.norvegicus mRNA for 100 kDa protein	1.00E-54
1538	X13345	Human gene for plasminogen activator inhibitor 1	2.00E-59
1542	D86971	Human mRNA for KIAA0217 gene, partial cds	7.00E-83
1543	NM_001859.1	Homo sapiens solute carrier family 31 gb\|U83460\|HSU83460 Human high-affinity copper uptake protein (hCTR1) mRNA, complete cds	7.00E-72
1544	X68194	H.sapiens h-Sp1 mRNA	5.00E-57
1545	AB002326	Human mRNA for KIAA0328 gene, partial cds	3.00E-74
1548	D31762	Human mRNA for KIAA0057 gene, complete cds	3.00E-85
1550	X58472	Mouse KIN17 mRNA for kin17 protein	2.00E-57
1551	U13185	Cloning vector pbetagal-Enhancer, complete sequence.	2.00E-79
1552	U55939	Expression vector pVP-Nco, complete sequence.	1.00E-76
1553	D87671	Rattus norvegicus mRNA for TIP120, complete cds	1.00E-87
1554	U25691	Mus musculus lymphocyte specific helicase mRNA, complete cds	4.00E-86
1555	U55939	Expression vector pVP-Nco, complete sequence.	5.00E-79
1556	Z12112	pWE15A cosmid vector DNA	2.00E-79
1557	U13185	Cloning vector pbetagal-Enhancer, complete sequence.	2.00E-79
1558	U13185	Cloning vector pbetagal-Enhancer, complete sequence.	6.00E-80
1559	Z12112	pWE15A cosmid vector DNA	6.00E-80
1560	U09661	Cloning vector pSEAP-Control, complete sequence	6.00E-80
1561	U36909	Bos taurus Rho-associated kinase mRNA, complete cds	2.00E-90
1562	L36610	Mus musculus protein synthesis initiation factor 4A (eIF-4A) gene, exons 5, 6, 7, 8, and 9.	2.00E-71

Table 2A: Nearest Neighbor (BlastN vs. Genbank)

SEQ ID	ACC'N	DESCRIP.	P VALUE
1563	S79463	M-Sema F=a factor in neural network development	1.00E-85
1564	U35312	Mus musculus nuclear receptor co-repressor mRNA, complete cds	1.00E-98
1571	L32977	Homo sapiens (clone f17252) ubiquinol cytochrome c reductase Rieske iron-sulphur protein (UQCRFS1) gene, exon 2	0
1576	S78454	Mus musculus metal response element DNA-binding protein M96 mRNA, complete cds	0
1586	M88458	Human ELP-1 mRNA sequence.	0
1622	S77512	LAMB2=laminin beta 2 chain [human, placenta, mRNA, 5642 nt]	e-131
1624	X53305	H.sapiens mRNA for stathmin	0
1625	J03591	Human ADP/ATP translocase mRNA, 3' end, clone pHAT3.	0
1630	L18964	Human protein kinase C iota isoform (PRKCI) mRNA, complete cds.	2E-67
1640	D29956	Human mRNA for KIAA0055 gene, complete cds	0
1649	M26697	Human nucleolar protein (B23) mRNA, complete cds.	e-149
1669	U47322	Cloning vector DNA, complete sequence.	4E-65
1689	NM_002079.1	Homo sapiens glutamic-oxaloacetic transaminase 1, soluble (aspartate aminotransferase 1) aspartate aminotransferase mRNA, complete cds.	0
1693	U55939	Expression vector pVP-Nco, complete sequence.	2E-70
1694	D80007	Human mRNA for KIAA0185 gene, partial cds	0
1695	NM_001904.1	Homo sapiens catenin (cadherin-associated protein), beta 1 (88kD) (CTNNB1) mRNA > :: emb\|X87838\|HSRNABECA H.sapiens mRNA for beta-catenin	e-108
1701	U19867	Cloning vector pSPL3, exon splicing vector, complete sequence, HIV envelope protein gp160 and beta-lactamase, complete cds.	1E-44
1702	M31061	Human ornithine decarboxylase gene, complete cds.	0
1721	Z96177	H.sapiens telomeric DNA sequence, clone 10QTEL040, read 10QTELOO040.seq	2E-70
1722	NM_001904.1	Homo sapiens catenin (cadherin-associated protein), beta 1 (88kD) (CTNNB1) mRNA > :: emb\|X87838\|HSRNABECA H.sapiens mRNA for beta-catenin	e-176
1758	X83577	M.musculus mRNA for K-glypican	0
1761	S79539	Pat-12=Pat-12 product [mice, embryonic stem ES cells, mRNA, 2781 nt]	e-176
1773	L38951	Homo sapiens importin beta subunit mRNA, complete cds	1E-78

Table 2A: Nearest Neighbor (BlastN vs. Genbank)

SEQ ID	ACC'N	DESCRIP.	P VALUE
	NM_003902	Homo sapiens far upstream element binding protein (FUBP) mRNA > :: gb\|U05040\|HSU05040 Human FUSE binding protein	
1776	.1	mRNA, complete cds.	0
1791	L08783	BlueScribe M13 Plus cloning vector.	0
1809	U86751	Human nucleolar fibrillar center protein (ASE-1) mRNA, complete cds	8E-95
1817	M21188	Human insulin-degrading enzyme (IDE) mRNA, complete cds.	e-134
1831	NM_001614 .1	Homo sapiens actin, gamma 1 (ACTG1) mRNA > :: emb\|X04098\|HSACTCGR Human mRNA for cytoskeletal gamma-actin	0.00E+00
1836	U12404	Human Csa-19 mRNA, complete cds.	0
1837	X79236	H.sapiens rps26 gene	e-145
1838	NM_003313 .1	Homo sapiens tissue specific transplantation antigen P35B (TSTA3) mRNA > :: gb\|U58766\|HSU58766 Human FX protein mRNA, complete cds	0
1839	M27436	Human tissue factor gene, complete cds, with a Alu repetitive sequence in the 3' untranslated region. > :: gb\|I05724\| Sequence 12 from Patent EP 0278776	e-121
1849	X79067	H.sapiens ERF-1 mRNA 3' end	0
1850	NM_003017 .1	Homo sapiens splicing factor, arginine/serine-rich 3 (SFRS3) mRNA > :: gb\|L10838\|HUMSRP20 Homo sapiens SR protein family, pre-mRNA splicing factor (SRp20) mRNA, complete cds.	e-135
1857	U48807	Human MAP kinase phosphatase (MKP-2) mRNA, complete cds	0.00E+00
1858	U48807	Human MAP kinase phosphatase (MKP-2) mRNA, complete cds	0.00E+00
1873	U04817	Human protein kinase PITSLRE alpha 2-3 mRNA, complete cds.	8.00E-53
1876	U18297	Human MST1 (MST1) mRNA, complete cds.	0.00E+00
1877	NM_001859 .1	Homo sapiens solute carrier family 31 gb\|U83460\|HSU83460 Human high-affinity copper uptake protein (hCTR1) mRNA, complete cds	0
1889	X70272	single stranded replicative centromeric Saccharomyces cerevisiae /E. coli shuttle vector	3.00E-76
1897	L26050	Human mitochondrial 2,4-dienoyl-CoA reductase mRNA, complete cds.	0.00E+00
1899	X06747	Human hnRNP core protein A1	e-157
1901	M64571	Human microtubule-associated protein 4 mRNA, complete cds.	0.00E+00

Table 2A: Nearest Neighbor (BlastN vs. Genbank)

SEQ ID	ACC'N	DESCRIP.	P VALUE
1908	X65322.1	Cloning vector pCAT-Basic	9.00E-53
		Homo sapiens pyruvate kinase, muscle (PKM2) mRNA > ::	
1913	NM_002654.1	gb\|M23725\|HUMPKM2L Human M2-type pyruvate kinase mRNA, complete cds.	e-159
1916	U49352	Human liver 2,4-dienoyl-CoA reductase mRNA, complete cds	2.00E-71
1926	D31889	Human mRNA for KIAA0072 gene, partial cds > :: gb\|G27027\|G27027 human STS SHGC-31585.	e-167
1941	U43944	Human breast cancer cytosolic NADP(+)-dependent malic enzyme mRNA, partial cds	1.00E-89
1971	U83659	Human multidrug resistance-associated protein homolog (MRP3) mRNA, partial cds	3.00E-85
1996	M33519	Human HLA-B-associated transcript 3 (BAT3) mRNA, complete cds.	3.00E-84
1997	U55387	Cricetulus griseus SL15 mRNA, complete cds	e-150
2018	L36315	Mus musculus (clone pMLZ-1) zinc finger protein	e-162
2025	NM_003902.1	Homo sapiens far upstream element binding protein (FUBP) mRNA > :: gb\|U05040\|HSU05040 Human FUSE binding protein mRNA, complete cds.	e-175
2032	X56932	H.sapiens mRNA for 23 kD highly basic protein	0.00E+00
2039	X98654	H.sapiens mRNA for DRES9 protein	9.00E-97
2050	S62077	HP1Hs alpha=25 kda chromosomal autoantigen [human, mRNA, 876 nt]	4.00E-68
2057	M23619	Human HMG-I protein isoform mRNA (HMGI gene), clone 6A.	e-117
2077	NM_003217.1	Homo sapiens testis enhanced gene transcript	4E-99
2092	U18671	Human Stat2 gene, complete cds.	0.00E+00
2096	D43636	Human mRNA for KIAA0096 gene, partial cds	0
2098	NM_002734.1	Homo sapiens protein kinase, cAMP-dependent, regulatory, type I, alpha (tissue specific extinguisher 1) (PRKAR1A) mRNA > :: gb\|M33336\|HUMCAMPPK Human cAMP-dependent protein kinase type I-alpha subunit	0
2099	U72621	Human LOT1 mRNA, complete cds	0.00E+00
2112	NM_003902.1	Homo sapiens far upstream element binding protein (FUBP) mRNA > :: gb\|U05040\|HSU05040 Human FUSE binding protein mRNA, complete cds.	0.00E+00
2118	L41142	Homo sapiens signal transducer and activator of transcription (STAT5) mRNA, complete cds.	0.00E+00
2119	Z48950	H.sapiens hH3.3B gene for histone H3.3	0.00E+00
2153	L09260	Human (chromosome 3p25) membrane protein mRNA.	e-100
2158	X65304.1	Cloning vector pGEM-3Z	e-173

Table 2A: Nearest Neighbor (BlastN vs. Genbank)

SEQ ID	ACC'N	DESCRIP.	P VALUE
		Homo sapiens UDP-glucose ceramide glucosyltransferase (UGCG) mRNA > :: dbj\|D50840\|HUMCGA Homo sapiens	
2163	NM_003358.1	mRNA for ceramide glucosyltransferase, complete cds > :: dbj\|E12454\|E12454 cDNA encoding human ceramide glucosyltransferase	e-141
2179	M95605	Bos taurus S-adenosylmethionine decarboxylase	e-175
2180	M12623	Human non-histone chromosomal protein HMG-17 mRNA, complete cds.	0.00E+00
2181	U79143	Human phosphoinositide 3'-hydroxykinase p110-alpha subunit mRNA, complete cds	0.00E+00
2192	K01906	Human fetal liver c-myc proto-oncogene, exon 3 and flanks.	e-165
2194	X74870	H.sapiens gene for RNA pol II largest subunit, exons 23-29	e-161
2235	L16991	Human thymidylate kinase (CDC8) mRNA, complete cds.	0.00E+00
2257	L08783	BlueScribe M13 Plus cloning vector.	0.00E+00
2276	NM_002245.1	Homo sapiens potassium inwardly-rectifying channel, subfamily K, member 1 (KCNK1) mRNA > :: gb\|U33632\|HSU33632 Human two P-domain K+ channel TWIK-1 mRNA, complete cds.	0
2278	D50734	Rat mRNA of antizyme inhibitor, complete cds	e-157
2279	U26401	Human galactokinase (galK) mRNA, complete cds. >	0.00E+00
2285	U49058	Rattus norvegicus CTD-binding SR-like protein rA4 mRNA, partial cds	e-138
2287	X65306.1	Cloning vector pGEM-3Zf(+)	e-116
2299	NM_001172.1	Homo sapiens arginase, type II (ARG2) mRNA > :: gb\|U82256\|HSU82256 Homo sapiens arginase type II mRNA, complete cds	e-127
2309	M25160	Human Na,K-ATPase beta subunit (ATP1B) gene, exons 3 through 6.	0.00E+00
2315	Y08736	H.sapiens vegf gene, 3'UTR	1.00E-78
2320	U13737	Human cysteine protease CPP32 isoform alpha mRNA, complete cds.	0.00E+00
2323	Y08135	M.musculus mRNA for ASM-like phosphodiesterase 3a	e-148
2324	Y08135	M.musculus mRNA for ASM-like phosphodiesterase 3a	0
2328	NM_001677.1	Homo sapiens ATPase, Na+/K+ transporting, beta 1 polypeptide (ATP1B1) mRNA > :: emb\|X03747\|HSATPBR Human mRNA for Na/K-ATPase beta subunit	1E-77
2337	Y08135	M.musculus mRNA for ASM-like phosphodiesterase 3a	e-168
2364	U54778	Human 14-3-3 epsilon mRNA, complete cds	1E-67
2365	Y08135	M.musculus mRNA for ASM-like phosphodiesterase 3a	0

Table 2A: Nearest Neighbor (BlastN vs. Genbank)

SEQ ID	ACC'N	DESCRIP.	P VALUE
2368	NM_001172 .1	Homo sapiens arginase, type II (ARG2) mRNA > :: gb\|U82256\|HSU82256 Homo sapiens arginase type II mRNA, complete cds	e-127
2385	AB002293	Human mRNA for KIAA0295 gene, partial cds	0
2394	M21188	Human insulin-degrading enzyme (IDE) mRNA, complete cds.	2E-81
2425	D87466	Human mRNA for KIAA0276 gene, partial cds	1E-97
2429	U58884	Mus musculus SH3-containing protein SH3P7 mRNA, complete cds. similar to Human Drebrin	4E-96
2441	AB005216	Homo sapiens mRNA for Nck, Ash and phospholipase C gamma-binding protein NAP4, partial cds	0
2442	NM_001960 .1	Homo sapiens eukaryotic translation elongation factor 1 delta (guanine nucleotide exchange protein) (EEF1D) mRNA > :: emb\|Z21507\|HSEF1DELA H.sapiens EF-1delta gene encoding human elongation factor-1-delta	0.00E+00
2444	M92449	Human LTR mRNA, 3' end of coding region and 3' flank.	e-143
2452	NM_003350 .1	Homo sapiens ubiquitin-conjugating enzyme E2 variant 2 (UBE2V2) mRNA > :: emb\|X98091\|HSVITDITR H.sapiens mRNA for protein induced by vitamin D	0
2456	U44975	Homo sapiens DNA-binding protein CPBP (CPBP) mRNA, partial cds	5.00E-69
2459	Z84510	H.sapiens flow-sorted chromosome 6 HindIII fragment, SC6pA28B7	4.00E-66
2463	Z48042	H.sapiens mRNA encoding GPI-anchored protein p137	e-172
2497	U32986	Human xeroderma pigmentosum group E UV-damaged DNA binding factor mRNA, complete cds.	0
2515	NM_003419 .1	Homo sapiens zinc finger protein 10 (KOX 1) for zinc finger protein	e-129
2520	Y00711	Human mRNA for lactate dehydrogenase B (LDH-B)	0.00E+00
2526	Y10725	M.musculus mRNA for protein kinase KIS	0.00E+00
2543	X62078	H.sapiens mRNA for GM2 activator protein	e-164
2548	NM_001009 .1	Homo sapiens ribosomal protein S5 (RPS5) mRNA complete cds.	0.00E+00
2556	U97188	Homo sapiens putative RNA binding protein KOC	1E-86
2575	NM_002852 .1	Homo sapiens pentaxin-related gene, rapidly induced by IL-1 beta (PTX3) mRNA > :: emb\|X63613\|HSPTX3R H.sapiens mRNA for pentaxin (PTX3)	0.00E+00
2578	X67155	H.sapiens mRNA for mitotic kinesin-like protein-1	0.00E+00
2588	M54968	Human K-ras oncogene protein mRNA, complete cds >	e-123
2591	D88687	Homo sapiens mRNA for KM-102-derived reductase-like factor, complete cds	0

Table 2A: Nearest Neighbor (BlastN vs. Genbank)			
SEQ ID	ACC'N	DESCRIP.	P VALUE
	NM_001436	Homo sapiens fibrillarin (FBL) mRNA > :: gb\|M59849\|HUMFIBAA Human fibrillarin (Hfib1) mRNA,	
2593	.1	complete cds.	e-103
2595	AB002326	Human mRNA for KIAA0328 gene, partial cds	0.00E+00
2598	M11948	Human promyelocytic leukemia cell mRNA, clones pHH58 and pHH81.	9.00E-84

Docket No. 0609.2000-000

Table 2B Nearest Neighbor (BlastX vs. Non-Redundant Proteins)

SEQ ID	ACC'N	DESCRIP.	P VALUE
37	4239895	(AB016816) MASL1 [Homo sapiens]	9.00E-54
66	4514653	(AB024057) vascular Rab-GAP/TBC-containing protein [Homo sapiens]	6.00E-55
78	4454524	(AC004841) similar to insulin receptor substrate BAP2; similar to PID:g4126477 [Homo sapiens]	6.00E-22
79	4545264	(AF118240) peroxisomal biogenesis factor 16 [Homo sapiens]	1.00E-45
112	3413938	(AB007963) KIAA0494 protein [Homo sapiens]	3.00E-44
122	4239895	(AB016816) MASL1 [Homo sapiens]	1.00E-47
139	4502371	breast cancer antiestrogen resistance 3 >gi\|3237306 (U92715) breast cancer antiestrogen resistance 3 protein [Homo sapiens]	2.00E-44
154	4586880	(AB017114) AD 3 [Homo sapiens]	4.00E-48
157	3327170	(AB014578) KIAA0678 protein [Homo sapiens]	2.00E-51
168	3153241	(AF053004) class I cytokine receptor [Homo sapiens]	2.00E-17
171	4138233	(AJ007780) parp-2 gene [Mus musculus]	2.00E-32
174	3287173	(AJ006266) AND-1 protein [Homo sapiens]	2.00E-42
187	4507145	UNKNOWN >gi\|3873216 (AF065485) sorting nexin 4 [Homo sapiens]	8.00E-46
207	4153860	(AC005074) similar to U47321 (PID:g1245146) [Homo sapiens]	4.00E-15
224	3236430	(AF067379) ubiquitin-protein ligase E3-alpha [Mus musculus]	3.00E-35
253	3043696	(AB011158) KIAA0586 protein [Homo sapiens]	1.00E-44
260	4519623	(AB017616) homologous to the yeast YGR163 gene [Mus musculus]	2.00E-54
280	4455035	(AF116238) pseudouridine synthase 1 [Homo sapiens]	4.00E-48
304	3075377	(AC004602) F23487_2 [Homo sapiens]	2.00E-21
306	4505611	poly(A)-specific ribonuclease	7.00E-41
373	1825606	(U88169) similar to molybdoterin biosynthesis MOEB proteins [Caenorhabditis elegans]	2.00E-37
382	4586287	(AB004794) DUF140 [Xenopus laevis]	7.00E-45
396	3941342	(AF043250) mitochondrial outer membrane protein [Homo sapiens] >gi\|3941347 (AF043253) mitochondrial outer membrane protein [Homo sapiens] >gi\|4105703\|gb\|AAD02504\|	5.00E-40
414	4586844	(AB015633) type II membrane protein	2.00E-46
422	3327078	(AB014532) KIAA0632 protein [Homo sapiens]	6.00E-36
433	3327230	(AB014608) KIAA0708 protein [Homo sapiens]	5.00E-52
472	3372677	(AF061749) tumorous imaginal discs protein Tid56 homolog	7.00E-35
502	4050034	(AF098482) transcriptional coactivator p52 [Homo sapiens]	1.00E-36

Table 2B Nearest Neighbor (BlastX vs. Non-Redundant Proteins)

SEQ ID	ACC'N	DESCRIP.	P VALUE
504	4406632	(AF131801) Unknown [Homo sapiens]	3.00E-21
512	3114828	(AJ005897) JM5 [Homo sapiens]	3.00E-44
530	3766209	(AF071777) IRE1 [Mus musculus]	2.00E-29
561	3043644	(AB011132) KIAA0560 protein [Homo sapiens]	3.00E-43
572	3088575	(AF059531) protein arginine N-methyltransferase 3 [Homo sapiens]	4.00E-46
578	4505891	UNKNOWN >gi\|3153235 (AF046889) lysyl hydroxylase isoform 3 [Homo sapiens] >gi\|3551836	3.00E-30
590	3114828	(AJ005897) JM5 [Homo sapiens]	1.00E-24
592	3242214	(AJ006778) DRIM protein [Homo sapiens]	2.00E-36
598	4200236	(AL035308) hypothetical protein [Homo sapiens]	8.00E-09
600	3413892	(AB007934) KIAA0465 protein [Homo sapiens]	2.00E-51
635	3043626	(AB011123) KIAA0551 protein [Homo sapiens]	3.00E-31
643	2498864	RRP5 PROTEIN HOMOLOG (KIAA0185) hypothetical protein YM9959.11C of S.cerevisiae. [Homo sapiens]	3.00E-13
670	3402197	(AJ010014) M96A protein [Homo sapiens]	1.00E-21
677	2217964	(Z50798) p52 [Gallus gallus]	7.00E-14
686	3043626	(AB011123) KIAA0551 protein [Homo sapiens]	1.00E-40
697	135470	TUBULIN BETA-5 CHAIN sapiens]	3.00E-21
701	3327056	(AB014521) KIAA0621 protein [Homo sapiens]	2.00E-29
704	4506787	UNKNOWN GTPASE-ACTIVATING-LIKE PROTEIN IQGAP1 (P195) (KIAA0051) protein - human >gi\|473931\|dbj\|BAA06123\| (D29640) KIAA0051 [Homo sapiens] >gi\|536844 (L33075) ras GTPase-activating-like protein [Homo sapiens]	4.00E-41
709	1350762	60S RIBOSOMAL PROTEIN L6 sapiens]	2.00E-22
713	2687400	(AF035824) vesicle soluble NSF attachment protein receptor [Homo sapiens]	1.00E-23
730	2914385	Chain C, Human Pcna >gi\|2914387\|pdb\|1AXC\|E Chain E, Human Pcna	2.00E-27
731	284076	ERD-2-like protein, ELP-1 - human	1.00E-26
733	2497524	KINESIN-LIKE PROTEIN KIF1B mouse >gi\|407339\|dbj\|BAA04503\| (D17577) Kif1b [Mus musculus]	9.00E-33
735	3327056	(AB014521) KIAA0621 protein [Homo sapiens]	1.00E-13
736	279567	insulinase (EC 3.4.99.45) - human	2.00E-26
738	487416	(L20302) actin filament protein [Gallus gallus]	3.00E-45
739	1731428	ZINC FINGER PROTEIN ZFP-38	7.00E-35
740	968973	(U29156) involved in signaling by the epidermal growth factor receptor; Method: conceptual translation supplied by author. [Mus musculus]	1.00E-22

Table 2B Nearest Neighbor (BlastX vs. Non-Redundant Proteins)

SEQ ID	ACC'N	DESCRIP.	P VALUE
		(Y08135) acid sphingomyelinase-like phosphodiesterase [Mus	
741	1552350	musculus]	2.00E-35
742	3327098	(AB014542) KIAA0642 protein [Homo sapiens]	3.00E-15
743	3914801	DNA-DIRECTED RNA POLYMERASE I 135 KD POLYPEPTIDE (RNA POLYMERASE I SUBUNIT 2) (RPA135) (RNA POLYMERASE I 127 KD SUBUNIT) >gi\|2739048 (AF025424) RNA polymerase I 127 kDa subunit [Rattus norvegicus]	2.00E-45
745	4165018	(D89053) Acyl-CoA synthetase 3 [Homo sapiens]	2.00E-53
746	968973	(U29156) involved in signaling by the epidermal growth factor receptor; Method: conceptual translation supplied by author. [Mus musculus]	3.00E-40
747	4519883	(AB017970) dipeptidyl peptidase III	4.00E-50
748	3327052	(AB014519) KIAA0619 protein [Homo sapiens]	7.00E-30
749	538413	(L36315) zinc finger protein [Mus musculus]	6.00E-55
750	1717793	PROTEIN TSG24 (MEIOTIC CHECK POINT REGULATOR) >gi\|1083553\|pir\|\|A55117 tsg24 protein - mouse	1.00E-50
751	3420277	(AF064826) glypican 4 [Homo sapiens]	3.00E-54
808	4580645	(AF118855) trans-prenyltransferase [Mus musculus]	2.00E-48
829	3882171	(AB018268) KIAA0725 protein [Homo sapiens]	3.00E-24
833	4104976	(AF043117) ubiquitin-fusion degradation protein 2 [Homo sapiens]	2.00E-41
841	3242214	(AJ006778) DRIM protein [Homo sapiens]	4.00E-34
914	4191810	(AB006532) DNA helicase [Homo sapiens]	5.00E-41
959	3043714	(AB011167) KIAA0595 protein [Homo sapiens]	5.00E-20
982	4379097	(Y17999) Dyrk1B protein kinase [Homo sapiens]	3.00E-21
1028	3043712	(AB011166) KIAA0594 protein [Homo sapiens]	2.00E-49
1079	4240227	(AB020676) KIAA0869 protein [Homo sapiens]	4.00E-35
1091	4235226	(AF061025) leucine zipper-EF-hand containing transmembrane protein 1 [Homo sapiens]	6.00E-34
1134	3426268	(AF044201) neural membrane protein 35; NMP35 [Rattus norvegicus]	1.00E-29
1152	4507367	threonyl-tRNA synthetase SYNTHETASE, CYTOPLASMIC (THREONINE--TRNA LIGASE) (THRRS) 6.1.1.3) - human >gi\|1464742 (M63180) threonyl-tRNA synthetase [Homo sapiens]	3.00E-26
1153	2072294	(U95097) mitotic phosphoprotein 43 [Xenopus laevis]	1.00E-19
1163	543222	glutamine (Q)-rich factor 1, QRF-1 - mouse factor 1, QRF-1 [mice, B-cell leukemia, BCL1, Peptide Partial, 84 aa]	1.00E-39

Table 2B Nearest Neighbor (BlastX vs. Non-Redundant Proteins)

SEQ ID	ACC'N	DESCRIP.	P VALUE
		(AF072759) fatty acid transport protein 4; FATP4 [Mus	
1164	3335569	musculus]	7.00E-39
1168	2996194	(AF053232) SIK similar protein [Mus musculus]	1.00E-31
1172	2935597	(AC004262) R29368_2 [Homo sapiens]	6.00E-49
1201	2645205	(U63648) p160 myb-binding protein [Mus musculus]	1.00E-21
1204	1407655	(U58884) SH3P7 [Mus musculus]	8.00E-21
1214	2134381	polybromo 1 protein - chicken	8.00E-29
1219	4505613	PRKC, apoptosis, WT1, regulator par-4 [Homo sapiens]	6.00E-34
1229	3757892	(AF079765) enhancer of polycomb [Mus musculus]	3.00E-41
1231	2134436	zinc finger protein - chicken (fragment)	4.00E-37
1232	2393722	(U90313) glutathione-S-transferase homolog [Homo sapiens]	6.00E-34
1234	459002	(U00036) R151.6 gene product [Caenorhabditis elegans]	7.00E-10
1236	119530	PROTEIN DISULFIDE ISOMERASE-RELATED PROTEIN PRECURSOR (ERP72) >gi\|87320\|pir\|\|A23723 protein disulfide-isomerase (EC 5.3.4.1) ERp72 precursor - human protein [Homo sapiens]	3.00E-23
1239	2073541	(L19437) transaldolase [Homo sapiens] >gi\|2612879	2.00E-24
1241	984125	(X90857) -14 [Homo sapiens]	2.00E-23
1245	4106818	(AF083395) phospholipase A2-activating protein [Homo sapiens]	4.00E-36
1247	4507955	YY1 transcription factor REPRESSOR PROTEIN YY1 (YIN AND YANG 1) (YY-1) (DELTA TRANSCRIPTION FACTOR) (NF-E1) >gi\|38011\|emb\|CAA78455\|	4.00E-27
1250	1698779	(U70372) PAM COOH-terminal interactor protein 2 [Rattus norvegicus]	6.00E-35
1252	4204684	(AF102542) beta-1,6-N-acetylglucosaminyltransferase core 2/core 4 beta-1,6-N-acetylglucosaminyltransferase; core 2/4-GnT [Homo sapiens]	9.00E-43
1255	2239126	(Y10746) methyl-CpG binding protein [Homo sapiens]	4.00E-16
1259	1747519	(U76759) nuclear protein NIP45 [Mus musculus]	2.00E-29
1260	545790	DARPP-32=dopamine and cAMP-regulated phosphoprotein [human, brain, Peptide, 204 aa] sapiens]	1.00E-29
1261	1709689	PEPTIDE METHIONINE SULFOXIDE REDUCTASE (PEPTIDE MET(O) REDUCTASE) >gi\|1205993 taurus]	1.00E-37
1265	2736151	(AF021935) mytonic dystrophy kinase-related Cdc42-binding kinase [Rattus norvegicus]	1.00E-41
1267	3329392	(AF038961) SL15 protein [Homo sapiens]	8.00E-36
1268	4097712	(U67322) HBV associated factor [Homo sapiens]	7.00E-56

Table 2B Nearest Neighbor (BlastX vs. Non-Redundant Proteins)

SEQ ID	ACC'N	DESCRIP.	P VALUE
		ELONGATION FACTOR G, MITOCHONDRIAL	
1269	585084	PRECURSOR (MEF-G) >gi\|543383\|pir\|\|S40780 translation elongation factor G, mitochondrial - rat >gi\|310102	7.00E-49
1270	1438534	(U49057) rA9 [Rattus norvegicus]	3.00E-45
1271	1336628	(U57368) EGF repeat transmembrane protein [Mus musculus]	7.00E-47
1272	3914802	DNA-DIRECTED RNA POLYMERASE I LARGEST SUBUNIT (RNA POLYMERASE I 194 KD SUBUNIT) (RPA194)	1.00E-37
1273	3387977	(AF070598) ABC transporter [Homo sapiens]	5.00E-50
1274	1717793	PROTEIN TSG24 (MEIOTIC CHECK POINT REGULATOR) >gi\|1083553\|pir\|\|A55117 tsg24 protein - mouse	2.00E-48
1275	2493735	SKD3 PROTEIN SKD3 [Mus musculus]	7.00E-43
1276	1041038	(D78020) NFI-A4 [Rattus norvegicus]	3.00E-26
1284	4455118	(AF125158) zinc finger DNA binding protein 99	9.00E-41
1322	4049922	(AF072810) transcription factor WSTF [Homo sapiens]	4.00E-48
1338	4586287	(AB004794) DUF140 [Xenopus laevis]	3.00E-45
1345	3435244	(AF083322) centriole associated protein CEP110 [Homo sapiens]	2.00E-40
1370	3413886	(AB007931) KIAA0462 protein [Homo sapiens]	2.00E-35
1462	3882311	(AB018338) KIAA0795 protein [Homo sapiens]	4.00E-47
1497	4240167	(AB020646) KIAA0839 protein [Homo sapiens]	2.00E-46
1517	4191610	(AF117107) IGF-II mRNA-binding protein 2 [Homo sapiens]	3.00E-49
1519	3135669	(AF064084) prenylcysteine carboxyl methyltransferase	1.00E-39
1529	3043548	(AB011084) KIAA0512 protein [Homo sapiens]	2.00E-47
1531	3093476	(AF008915) EVI-5 homolog [Homo sapiens]	6.00E-19
1532	3834629	(AF094519) diaphanous-related formin; p134 mDia2 [Mus musculus]	1.00E-32
1533	3193226	(AF068706) gamma2-adaptin [Homo sapiens]	1.00E-46
1534	3851584	(AF092563) chromosome-associated protein-E [Homo sapiens]	4.00E-48
1535	4101695	(AF006010) progestin induced protein [Homo sapiens]	5.00E-30
1550	3850704	(AJ005273) Kin17 [Homo sapiens]	9.00E-24
1553	4240147	(AB020636) KIAA0829 protein [Homo sapiens]	9.00E-41
1554	2137490	lymphocyte specific helicase - mouse musculus]	5.00E-35
1561	3327052	(AB014519) KIAA0619 protein [Homo sapiens]	1.00E-41
1563	2137494	M-sema F protein precusor - mouse F [mice, neonatal brain, Peptide, 834 aa] [Mus sp.]	7.00E-34

Table 2B Nearest Neighbor (BlastX vs. Non-Redundant Proteins)

SEQ ID	ACC'N	DESCRIP.	P VALUE
		nuclear receptor co-repressor N-CoR - mouse musculus]	
1564	2137603	>gi\|1583865\|prf\|\|2121436A thyroid hormone receptor co-repressor [Mus musculus]	9.00E-41
1565	2674107	(AF023451) guanine nucleotide-exchange protein [Bos taurus]	3.00E-48
1587	3659505	(AC005084) similar to mouse mCASK-A; similar to e1288039	1.00E-57
1649	114762	NUCLEOPHOSMIN (NPM) (NUCLEOLAR PHOSPHOPROTEIN B23) (NUMATRIN) (NUCLEOLAR PROTEIN NO38) sapiens]	6.00E-35
1651	3327056	(AB014521) KIAA0621 protein [Homo sapiens]	8.00E-40
1688	4545264	(AF118240) peroxisomal biogenesis factor 16 [Homo sapiens]	2.00E-65
1694	2498864	RRP5 PROTEIN HOMOLOG (KIAA0185) hypothetical protein YM9959.11C of S.cerevisiae. [Homo sapiens]	7.00E-77
1758	3420277	(AF064826) glypican 4 [Homo sapiens]	4.00E-76
1768	3088575	(AF059531) protein arginine N-methyltransferase 3 [Homo sapiens]	7.00E-97
1771	4050034	(AF098482) transcriptional coactivator p52 [Homo sapiens]	2.00E-58
1811	4506357	UNKNOWN; PZR >gi\|3851145 sapiens]	2.00E-60
1830	3387977	(AF070598) ABC transporter [Homo sapiens]	e-113
1836	1709974	60S RIBOSOMAL PROTEIN L10A protein L10a [Rattus norvegicus] Ribosomal Protein RPL10A) [Homo sapiens]	e-111
1838	4507709	tissue specific transplantation antigen P35B >gi\|1381179 (U58766) FX [Homo sapiens]	9.00E-90
1876	1117791	(U18297) MST1 [Homo sapiens]	4E-85
1877	4507015	copper transporter 1	3.00E-72
1897	4503301	2,4-dienoyl CoA reductase REDUCTASE, MITOCHONDRIAL PRECURSOR (2,4-DIENOYL-COA REDUCTASE (NADPH)) (4-ENOYL-COA REDUCTASE (NADPH)) precursor, mitochondrial - human >gi\|602703 (L26050) 2,4-dienoyl-CoA reductase [Homo sapiens] >gi\|2673979 precursor [Homo sapiens] >gi\|4126313 (AF049895) 2,4-dienoyl-CoA reductase [Homo sapiens]	6E-94
1901	126743	MICROTUBULE-ASSOCIATED PROTEIN 4 human >gi\|187383 (M64571) microtubule-associated protein 4 [Homo sapiens]	6E-84
1914	4505987	PTPRF interacting protein, binding protein 1 (liprin beta 1) >gi\|3309539 (AF034802) liprin-beta1 [Homo sapiens]	4E-89
1920	3043644	(AB011132) KIAA0560 protein [Homo sapiens]	e-108

Table 2B Nearest Neighbor (BlastX vs. Non-Redundant Proteins)

SEQ ID	ACC'N	DESCRIP.	P VALUE
1944	3413892	(AB007934) KIAA0465 protein [Homo sapiens]	7.00E-87
1956	4185796	(AF103796) placenta-specific ATP-binding cassette transporter [Homo sapiens]	2E-68
1973	4507145	UNKNOWN >gi\|3873216 (AF065485) sorting nexin 4 [Homo sapiens]	1.00E-73
2008	1083566	zinc finger protein/transactivator Zfp-38 - mouse >gi\|55477 \|emb\| CAA45280\| (X63747) Zfp-38 [Mus musculus]	2E-64
2018	1806134	(Z67747) zinc finger protein [Mus musculus]	7.00E-78
2032	730451	60S RIBOSOMAL PROTEIN L13A (23 KD HIGHLY BASIC PROTEIN) >gi\|345897\|pir\|\|S29539 basic protein, 23K - human >gi\|23691\|emb\|CAA40254\| (X56932) 23 kD highly basic protein [Homo sapiens]	4.00E-87
2285	4102967	(AF023142) pre-mRNA splicing SR protein rA4 [Homo sapiens]	1.00E-33
2317	3108093	(AF061258) LIM protein [Homo sapiens]	6.00E-82
2318	3170887	(AF061555) ubiquitin-protein ligase E3-alpha [Mus musculus]	e-104
2324	1552350	(Y08135) acid sphingomyelinase-like phosphodiesterase [Mus musculus]	6.00E-91
2365	1552350	(Y08135) acid sphingomyelinase-like phosphodiesterase [Mus musculus]	e-106
2366	3242214	(AJ006778) DRIM protein [Homo sapiens]	e-114
2387	4514653	(AB024057) vascular Rab-GAP/TBC-containing protein [Homo sapiens]	e-121
2441	2443367	(AB005216) Nck, Ash and phospholipase C gamma-binding protein NAP4 [Homo sapiens]	e-120
2475	119110	EBNA-1 NUCLEAR PROTEIN herpesvirus 4 (strain B95-8) >gi\|1334880\|emb\|CAA24816.1\| gene. [Human herpesvirus 4]	2.00E-38
2479	121640	GLYCINE-RICH CELL WALL STRUCTURAL PROTEIN PRECURSOR >gi\|72320\|pir\|\|KNMU glycine-rich cell wall protein precursor - Arabidopsis thaliana	8.00E-31
2495	1362077	glycin-rich protein - cowpea (fragment)	2E-40
2519	121640	GLYCINE-RICH CELL WALL STRUCTURAL PROTEIN PRECURSOR >gi\|72320\|pir\|\|KNMU glycine-rich cell wall protein precursor - Arabidopsis thaliana	9.00E-27
2546	2674107	(AF023451) guanine nucleotide-exchange protein [Bos taurus]	5E-89
2548	3717978	(Y12431) 5S ribosomal protein [Mus musculus]	5E-94
2556	4191610	(AF117107) IGF-II mRNA-binding protein 2 [Homo sapiens]	e-111

Table 2B Nearest Neighbor (BlastX vs. Non-Redundant Proteins)

SEQ ID	ACC'N	DESCRIP.	P VALUE
2578	2119281	CHO1 antigen - Chinese hamster	e-101
2579	3435244	(AF083322) centriole associated protein CEP110 [Homo sapiens]	2E-70
2591	1843434	(D88687) KM-102-derived reductase-like factor [Homo sapiens]	4.00E-91
2604	3834629	(AF094519) diaphanous-related formin; p134 mDia2 [Mus musculus]	1E-49

09345350.050799

Table 3A Profile Hits

SEQ ID NO:	Description	Start	Stop	Dir
1967	14_3_3 proteins	166	845	for
2366	3'5'-cyclic nucleotide phosphodiesterases	64	573	for
1579	4 transmembrane integral membrane proteins	300	924	rev
1978	4 transmembrane integral membrane proteins	340	941	rev
1652	7 transmembrane receptor (rhodopsin family)	109	647	rev
1927	7 transmembrane receptor (rhodopsin family)	84	947	rev
2068	7 transmembrane receptor (rhodopsin family)	305	975	for
1598	7 transmembrane receptor (Secretin family)	50	1269	for
1719	7 transmembrane receptor (Secretin family)	63	1160	rev
1911	7 transmembrane receptor (Secretin family)	38	869	rev
1927	7 transmembrane receptor (Secretin family)	237	930	rev
2068	7 transmembrane receptor (Secretin family)	188	975	for
2341	7 transmembrane receptor (Secretin family)	377	1524	rev
1671	ATPases Associated with Various Cellular Activities	136	718	for
1672	ATPases Associated with Various Cellular Activities	271	765	for
1688	ATPases Associated with Various Cellular Activities	206	709	rev
1796	ATPases Associated with Various Cellular Activities	139	783	for
1830	ATPases Associated with Various Cellular Activities	265	713	for
1872	ATPases Associated with Various Cellular Activities	152	616	rev
1913	ATPases Associated with Various Cellular Activities	12	510	for
1922	ATPases Associated with Various Cellular Activities	125	658	for
1964	ATPases Associated with Various Cellular Activities	97	752	for
1997	ATPases Associated with Various Cellular Activities	185	664	for
2032	ATPases Associated with Various Cellular Activities	69	485	for
2170	ATPases Associated with Various Cellular Activities	73	550	for
2177	ATPases Associated with Various Cellular Activities	340	928	for

SEQ ID NO:	Description	Start	Stop	Dir
2290	ATPases Associated with Various Cellular Activities	872	1390	rev
2343	ATPases Associated with Various Cellular Activities	122	635	for
2358	ATPases Associated with Various Cellular Activities	84	492	rev
2390	ATPases Associated with Various Cellular Activities	31	434	rev
2414	ATPases Associated with Various Cellular Activities	953	1358	rev
2461	ATPases Associated with Various Cellular Activities	192	690	rev
2476	ATPases Associated with Various Cellular Activities	51	593	for
2482	ATPases Associated with Various Cellular Activities	135	615	rev
2578	ATPases Associated with Various Cellular Activities	0	673	for
1623	Basic region plus leucine zipper transcription factors	81	277	for
1715	C2 domain (prot. kinase C like)	403	582	for
2426	C2 domain (prot. kinase C like)	493	637	for
2238	Cysteine proteases	359	984	rev
1630	DEAD and DEAH box helicases	34	690	rev
1865	DEAD and DEAH box helicases	43	753	for
2517	DEAD and DEAH box helicases	426	719	for
1714	Dual specificity phosphatase, catalytic domain	365	696	rev
1728	Dual specificity phosphatase, catalytic domain	243	597	for
2087	Dual specificity phosphatase, catalytic domain	786	1566	for
1595	EF-hand	556	630	for
1671	Eukaryotic aspartyl proteases	116	763	for
1778	Eukaryotic aspartyl proteases	92	1008	rev
1903	Eukaryotic aspartyl proteases	73	603	rev
1945	Eukaryotic aspartyl proteases	147	694	rev
1963	Eukaryotic aspartyl proteases	38	740	rev
1991	Eukaryotic aspartyl proteases	404	1113	rev
2130	Eukaryotic aspartyl proteases	237	829	rev
2138	Eukaryotic aspartyl proteases	117	729	rev
2193	Eukaryotic aspartyl proteases	217	1397	rev
2290	Eukaryotic aspartyl proteases	413	1366	rev
2291	Eukaryotic aspartyl proteases	8	710	rev

SEQ ID NO:	Description	Start	Stop	Dir
2348	Eukaryotic aspartyl proteases	291	1146	rev
2430	Eukaryotic aspartyl proteases	216	1158	rev
2496	Eukaryotic aspartyl proteases	228	659	for
2523	Eukaryotic aspartyl proteases	276	1291	rev
2589	Eukaryotic aspartyl proteases	525	1431	for
1968	Fibronectin type II domain	455	565	rev
1779	G-protein alpha subunit	24	583	rev
1621	Helicases conserved C-terminal domain	160	309	for
1652	Helicases conserved C-terminal domain	363	560	rev
2192	Helix-loop-helix DNA binding domain	224	382	for
2181	kinase domain of tors	474	713	for
1825	mkk like kinases	17	626	rev
1876	mkk like kinases	35	719	for
2039	mkk like kinases	114	527	for
2526	mkk like kinases	9	463	for
1782	Neurotransmitter-gated ion-channel	267	1411	for
1922	Neurotransmitter-gated ion-channel	367	1168	for
2068	Neurotransmitter-gated ion-channel	222	1024	for
2102	Neurotransmitter-gated ion-channel	352	1273	for
2154	Neurotransmitter-gated ion-channel	377	1159	for
2538	Neurotransmitter-gated ion-channel	112	1120	for
1621	protein kinase	153	743	for
1630	protein kinase	123	904	for
1705	protein kinase	471	1072	for
1706	protein kinase	190	609	for
1710	protein kinase	235	641	for
1744	protein kinase	8	711	rev
1767	protein kinase	90	537	for
1776	protein kinase	200	524	rev
1782	protein kinase	706	1331	for
1822	protein kinase	24	666	for
1825	protein kinase	56	593	rev
1844	protein kinase	263	824	for
1850	protein kinase	217	779	for
1876	protein kinase	290	711	for
1977	protein kinase	38	776	for
2051	protein kinase	14	657	for
2112	protein kinase	202	644	rev
2169	protein kinase	1	656	for
2205	protein kinase	57	689	for
2242	protein kinase	33	646	for

SEQ ID NO:	Description	Start	Stop	Dir
2291	protein kinase	630	1148	rev
2454	protein kinase	49	761	rev
2526	protein kinase	0	463	for
2558	protein kinase	77	590	for
1719	Protein Tyrosine Phosphatase	82	482	rev
1769	Protein Tyrosine Phosphatase	71	461	rev
2062	Protein Tyrosine Phosphatase	270	704	for
2197	Protein Tyrosine Phosphatase	359	851	for
2275	Protein Tyrosine Phosphatase	56	680	for
1850	RNA recognition motif. (aka RRM, RBD, or RNP domain)	165	365	for
2194	RNA recognition motif. (aka RRM, RBD, or RNP domain)	37	174	for
2441	SH2 Domain	201	362	for
1618	Thioredoxins	253	554	for
1579	Trypsin	252	1007	rev
2290	Trypsin	350	1164	rev
2341	Trypsin	447	1211	rev
2421	Trypsin	14	765	rev
2430	Trypsin	700	1556	rev
2438	Trypsin	47	670	rev
2281	WD domain, G-beta repeats	70	161	for
1579	wnt family of developmental signaling proteins	282	1017	rev
1653	wnt family of developmental signaling proteins	154	978	rev
1778	wnt family of developmental signaling proteins	38	858	rev
1826	wnt family of developmental signaling proteins	574	1318	rev
1875	wnt family of developmental signaling proteins	578	1313	rev
1904	wnt family of developmental signaling proteins	205	1068	rev
1992	wnt family of developmental signaling proteins	2	824	rev
2004	wnt family of developmental signaling proteins	621	1420	rev
2129	wnt family of developmental signaling proteins	394	1343	rev
2145	wnt family of developmental signaling proteins	162	1027	rev
2204	wnt family of developmental signaling proteins	274	1405	rev
2238	wnt family of developmental signaling proteins	560	1195	rev
2290	wnt family of developmental signaling proteins	250	1273	rev
2291	wnt family of developmental signaling proteins	523	1409	rev
2294	wnt family of developmental signaling proteins	297	1237	rev
2341	wnt family of developmental signaling proteins	51	1002	rev
2343	wnt family of developmental signaling proteins	28	1180	rev
2348	wnt family of developmental signaling proteins	638	1614	rev
2373	wnt family of developmental signaling proteins	30	1078	rev

SEQ ID NO:	Description	Start	Stop	Dir
2409	wnt family of developmental signaling proteins	4	1074	rev
2410	wnt family of developmental signaling proteins	208	1107	rev
2414	wnt family of developmental signaling proteins	242	1068	rev
2421	wnt family of developmental signaling proteins	159	1057	rev
2430	wnt family of developmental signaling proteins	844	1691	rev
2436	wnt family of developmental signaling proteins	107	784	rev
2438	wnt family of developmental signaling proteins	127	1226	rev
2463	wnt family of developmental signaling proteins	5	704	rev
2473	wnt family of developmental signaling proteins	328	1193	rev
2511	wnt family of developmental signaling proteins	341	1222	rev
2523	wnt family of developmental signaling proteins	820	1617	rev
2528	wnt family of developmental signaling proteins	461	1283	rev
1735	Zinc finger, C2H2 type	495	557	for
1942	Zinc finger, C2H2 type	500	562	for
2018	Zinc finger, C2H2 type	279	341	for
2254	Zinc finger, C2H2 type	148	210	for
2515	Zinc finger, C2H2 type	422	484	for

Table 3B Profile Hits for Contigs

SEQ ID NO:	Description	Start	Stop	Dir
2641	ATPases Associated with Various Cellular Activities	118	661	for
2655	ATPases Associated with Various Cellular Activities	135	536	for
2685	ATPases Associated with Various Cellular Activities	142	574	for
2648	DEAD and DEAH box helicases	66	931	rev
2686	Helicases conserved C-terminal domain	51	242	for
2661	Neurotransmitter-gated ion-channel	169	738	rev
2640	Protein phosphatase 2A regulatory subunit PR55	275	1510	for
2655	Protein phosphatase 2A regulatory subunit PR55	55	1087	for
2670	Protein phosphatase 2A regulatory subunit PR55	13	1183	for
2684	Protein phosphatase 2A regulatory subunit PR55	511	1861	rev
2679	Protein Tyrosine Phosphatase	292	768	for
2668	Thioredoxins	182	475	for

Table 22 Deposits of Pooled Clones

ES34	ES35	ES36	ES37
M00006992C:G02	M00005468A:D08	M00005452C:A02	M00022171D:B08
M00006756D:E10	M00021892B:H03	M00001382C:C09	M00008061A:F02
M00003984C:F04	M00001390A:C06	M00004841C:B09	M00003820C:A09
M00007125D:E03	M00022074D:F11	M00001441D:H05	M00022109B:A11
M00006650A:A10	M00005460B:D02	M00022716D:D08	M00005342D:F03
M00001452B:H06	M00022423B:D03	M00022828C:E04	M00022070B:C10
M00022972D:C10	M00007140A:F11	M00004350B:F06	M00006966B:B09
M00022305C:A01	M00004081B:C11	M00005685B:D08	M00022381C:C12
M00007010B:H01	M00005480A:H12	M00004190A:A09	M00003991B:B05
M00021946D:C11	M00008015D:E09	M00004054D:D02	M00022404D:G05

ES38	ES39	ES40	ES41
M00021912B:H11	M00007118B:B04	M00006993B:B09	M00007974B:C11
M00005378C:A10	M00007019A:B01	M00004242C:C01	M00021860B:G06
M00022578C:B07	M00021682B:D12	M00007986C:C05	M00006927C:F12
M00005513A:D08	M00005411D:A03	M00004115A:G09	M00022582C:E12
M00022176C:A08	M00006641C:H02	M00022600C:A06	M00006618C:G08
M00006822D:F07	M00007041B:C05	M00005384A:A01	M00005450B:B01
M00004031A:B04	M00005444B:E11	M00021667D:E03	M00001417B:E01
M00021927D:D12	M00022745B:G02	M00008078C:C06	M00003825B:A05
M00001553D:B06	M00022685A:F11	M00007985A:B09	M00001370B:B04
M00022404B:H05	M00004446A:G01	M00007953B:B03	M00006727B:E09

ES42	ES43	ES44	ES45
M00001478A:B06	M00006923B:H08	M00006615B:F05	M00005468D:F04
M00003972B:A11	M00005377D:F11	M00005486C:B03	M00006720C:C11
M00005477C:D08	M00006640B:H09	M00007124C:A11	M00005817D:E12
M00006745A:A01	M00005404C:F02	M00006995D:A03	M00001669B:A03
M00007090B:A02	M00004030A:G12	M00007149D:G06	M00003998A:G12
M00007152A:B04	M00006704D:D03	M00006990D:D06	M00004045A:B12
M00006953B:H10	M00006810D:A05	M00005530B:E04	M00004130D:E04
M00005399D:B02	M00005481C:A05	M00003918C:E07	M00004160A:D07
M00006987B:F04	M00005411A:C07	M00007163A:B10	M00001655A:F07
M00005772A:F03	M00003970A:G10	M00005485C:A03	M00001468D:D11

ES46
M00004217A:A05
M00004183D:B07
M00001415D:A05
M00004158C:F03
M00004031D:G02

Table 23. Library Deposits			
ES47	**ES48**	**ES49**	**ES50**
M00001399D:F09	M00004217D:G10	M00004508A:G12	M00021653A:G07
M00001455A:C03	M00004218C:G10	M00004508B:G02	M00021654C:A02
M00001456C:F02	M00004252D:H08	M00001432B:H08	M00021660C:G04
M00001487D:G03	M00004253B:A10	M00001432C:G01	M00021665A:D04
M00001539B:B01	M00004253B:F06	M00003992D:G01	M00021670B:G11
M00001565A:A02	M00004253C:E10	M00005326B:F03	M00021678A:B08
M00001572C:E07	M00004260A:B07	M00005332A:H10	M00021680B:C01
M00001582D:B10	M00004260C:A12	M00005342A:C04	M00021681C:B10
M00001584C:A03	M00004260C:E10	M00005342A:D04	M00021690D:E05
M00001586A:F09	M00001339B:A03	M00005349B:G01	M00021692A:E03
M00001588D:H08	M00001342C:A04	M00005352B:D02	M00021692C:E06
M00001610B:A01	M00001344D:G11	M00005354C:E02	M00021694B:A07
M00001618B:F02	M00001345A:A12	M00005356A:D09	M00021698B:B12
M00001618C:E06	M00001347A:G06	M00005359D:G07	M00021828A:C08
M00001621C:A04	M00001347B:H01	M00005378A:A08	M00021841C:D07
M00001626B:H05	M00001353B:D11	M00005383D:D06	M00021859A:D04
M00001641B:G05	M00001355B:A01	M00005383D:E07	M00021861C:A02
M00001648C:F06	M00001358D:D09	M00005385C:G05	M00021862A:A04
M00001649D:H05	M00001359A:B07	M00005388D:F09	M00021862D:F01
M00001656D:F11	M00001362A:C10	M00005390B:G10	M00021886D:E04
M00001660A:F10	M00001362B:A09	M00005397C:B03	M00021897B:A06
M00001669A:H11	M00001365D:D12	M00005399A:D01	M00021905A:G05
M00003741A:E01	M00001365D:H09	M00005409D:C02	M00021905B:A01
M00003745C:E03	M00001370A:G09	M00005415C:G08	M00021906C:G11
M00003746A:E01	M00001370B:B12	M00005417A:E10	M00021910A:C10
M00003748B:B06	M00001374D:D09	M00005442D:C05	M00021927A:C11
M00003749B:C08	M00001376B:C11	M00005446A:G01	M00021927B:F01
M00003749D:G07	M00001377A:D03	M00005446C:D12	M00021932C:C05
M00003752A:B06	M00001377A:E01	M00005454C:H12	M00021932C:G10
M00003752D:D09	M00001377C:B08	M00005455A:D01	M00021947A:C01
M00003753C:B01	M00001387A:A04	M00005455A:G03	M00021952B:F11
M00003754C:F01	M00001387D:C07	M00005462C:B02	M00021954A:A03
M00003756C:C08	M00001389B:B06	M00005469D:C11	M00021964A:C04
M00003759A:E10	M00001390A:H01	M00005480C:B12	M00021967D:E08
M00003762A:D11	M00001399C:E10	M00005483D:A12	M00021977D:E02
M00003763B:D03	M00001401D:D04	M00005484A:D09	M00021978A:F08
M00003763D:F06	M00001402D:C07	M00005491B:C03	M00021982C:F08
M00003765D:E02	M00001402D:H03	M00005493B:C08	M00021983B:B03
M00003766B:G04	M00001403B:A01	M00005494D:F11	M00021983D:B10
M00003767C:F04	M00001405D:F05	M00005496C:A01	M00022005C:G03
M00003769B:A04	M00001406C:A11	M00005496D:A10	M00022032A:E07
M00003769D:G12	M00001406D:H01	M00005497B:H07	M00022049A:A02
M00003770D:C07	M00001407B:A08	M00005497C:C07	M00022049A:D06

ES47	ES48	ES49	ES50
M00003771A:G09	M00001407D:H11	M00005497C:C12	M00022054D:C05
M00003771D:A10	M00001411A:D01	M00005497C:E03	M00022064C:H07
M00003773A:C09	M00001411C:G02	M00005498B:F08	M00022067D:C05
M00003773B:E09	M00001412A:A11	M00005498C:G05	M00022068B:H11
M00003773B:G08	M00001415D:E12	M00005508B:B04	M00022068D:D12
M00003773C:G06	M00001417C:E02	M00005524C:B01	M00022069D:G02
M00003773D:C02	M00001421A:H07	M00005528D:A10	M00022071B:D05
M00003789C:E03	M00001422D:D02	M00005530B:D03	M00022071C:D09
M00003790B:F12	M00001423C:D06	M00005534B:H10	M00022075D:F05
M00003793C:D11	M00001424A:H09	M00005548B:E03	M00022081C:G11
M00003796B:C07	M00001425C:E10	M00005550B:D09	M00022084B:F04
M00003797D:H06	M00001426A:F09	M00005565C:A08	M00022085C:C04
M00003801D:F05	M00001426D:D09	M00005589C:B03	M00022090A:G08
M00003805A:G05	M00001431A:C10	M00005616B:D05	M00022093A:A05
M00003808C:D09	M00001431A:E05	M00005620C:C05	M00022093D:B10
M00003809A:A12	M00001432A:F12	M00005621A:G10	M00022094B:G10
M00003809A:H12	M00001432B:H08	M00005621D:F01	M00022106C:F04
M00003813D:A06	M00001432C:G01	M00005631A:A11	M00022110A:E04
M00003818A:F09	M00001433A:C07	M00005632C:D06	M00022114C:B02
M00003818B:A01	M00001434A:A01	M00005637B:D12	M00022117C:G07
M00003819D:G09	M00001435A:F03	M00005642B:C03	M00022128A:D04
M00003821C:E04	M00001435A:G01	M00005647D:D09	M00022139A:C01
M00003822A:G05	M00001435B:G10	M00005655B:C02	M00022149B:D05
M00003825C:B02	M00001435C:G08	M00005703A:C08	M00022150A:H06
M00003825C:B12	M00001435D:A06	M00005704A:B11	M00022153D:D11
M00003833B:A11	M00001436D:C10	M00005708D:B03	M00022157A:F12
M00003834A:A03	M00001437B:B05	M00005710A:C08	M00022157B:A10
M00003835D:H05	M00001438C:H05	M00005720A:D03	M00022169D:C02
M00003839D:G06	M00001439B:F10	M00005722D:G03	M00022170D:H09
M00003841A:E09	M00001439C:A01	M00005743B:F02	M00022175A:A11
M00003841B:D05	M00001439C:G06	M00005763B:H09	M00022176A:E08
M00003843A:B01	M00001442A:D08	M00005765C:C04	M00022178D:H01
M00003844C:D04	M00001443D:A01	M00005810C:D04	M00022183A:G03
M00003844C:H05	M00001444A:A09	M00005813D:F06	M00022189A:A01
M00003846B:H02	M00001446D:B10	M00005818C:E08	M00022198A:C12
M00003850B:D11	M00001452D:E05	M00005818C:G01	M00022199C:F03
M00003852D:D03	M00001453D:F09	M00006576D:F11	M00022202C:F11
M00003859C:B09	M00001463C:A01	M00006577B:H12	M00022206B:G06
M00003868D:F02	M00001466C:F02	M00006587A:H08	M00022212C:C02
M00003868D:F07	M00001471C:G03	M00006594A:E08	M00022216D:C01
M00003871A:E09	M00001488B:G12	M00006596D:H04	M00022218C:B06
M00003884D:A12	M00001489B:F08	M00006601C:A07	M00022218D:B12
M00003887B:C03	M00001489D:C08	M00006601C:E06	M00022220C:F08
M00003888B:A10	M00001490B:G04	M00006609A:G10	M00022221D:E08

ES47	ES48	ES49	ES50
M00003888C:E01	M00001491C:C01	M00006633C:E11	M00022226C:B06
M00003890B:H07	M00001496A:B03	M00006633D:A06	M00022226D:A07
M00003890D:C03	M00001496D:D02	M00006634B:C02	M00022231A:F12
M00003892D:D04	M00001500A:D09	M00006636A:B08	M00022231C:A04
M00003893C:D12	M00001504D:D09	M00006644A:B11	M00022236D:A03
M00003895D:A03	M00001505A:E09	M00006644D:C02	M00022239A:A10
M00003896B:F08	M00001506A:F01	M00006686A:G12	M00022239B:B07
M00003896D:B01	M00001517D:C03	M00006692B:E04	M00022239D:A07
M00003903C:H03	M00001518D:A10	M00006728D:G10	M00022252C:E06
M00003905C:B01	M00001536B:B11	M00006733D:G12	M00022253B:E06
M00003905C:E10	M00001537B:C12	M00006734A:H12	M00022254C:D08
M00003906C:H12	M00001542C:D10	M00006735A:H02	M00022255A:C08
M00003909D:G01	M00001542C:F06	M00006764B:D05	M00022255D:E03
M00003911C:G05	M00001543A:E04	M00006765B:H06	M00022258C:F06
M00003912B:G11	M00001546B:H01	M00006785B:F09	M00022259B:G02
M00003912C:C11	M00001551D:C12	M00006791B:B08	M00022278C:E03
M00003914C:E03	M00001552B:D01	M00006796A:C03	M00022278D:F10
M00003915A:D09	M00001556D:A11	M00006800C:G08	M00022288C:D04
M00003915C:G01	M00001557C:B08	M00006814A:F07	M00022289A:D05
M00003920B:A10	M00001558B:A12	M00006819A:D10	M00022289D:B06
M00003921D:C06	M00001560C:C01	M00006820A:G05	M00022294A:D11
M00003923A:H07	M00001561B:C10	M00006821C:C10	M00022296B:C11
M00003936C:F10	M00001597C:B03	M00006822A:D07	M00022305A:H11
M00003948B:B03	M00001623B:B01	M00006823D:D12	M00022364C:G12
M00003949B:A08	M00001623D:A09	M00006826B:H03	M00022366B:E09
M00003949B:D05	M00001644D:F09	M00006828D:C12	M00022372B:D03
M00003961B:A12	M00003784C:B09	M00006832D:F11	M00022381A:F05
M00003961C:G02	M00003785D:E01	M00006846A:B01	M00022382D:H11
M00003962B:B09	M00003862C:H10	M00006850C:D09	M00022386A:A07
M00003963B:D12	M00003864B:A04	M00006850C:G07	M00022386B:D11
M00003973A:C05	M00003864D:G05	M00006851C:H09	M00022386C:A04
M00003973B:H06	M00003992C:G01	M00006863B:E06	M00022386C:D07
M00003976D:D12	M00003992D:G01	M00006866C:F03	M00022399C:A10
M00003977C:A08	M00003994C:C11	M00006867C:E07	M00022407C:H11
M00003980B:F12	M00003996D:C04	M00006868D:E02	M00022411D:G09
M00003980C:G10	M00003997D:D07	M00006870C:H06	M00022412A:C08
M00003981C:E04	M00003998A:D03	M00006873B:G11	M00022444A:A11
M00003983C:E07	M00003998C:H10	M00006875A:A02	M00022449C:B01
M00003987D:F06	M00003999C:C12	M00006877B:E05	M00022452C:B03
M00004027A:B10	M00004046A:F04	M00006879A:H11	M00022457C:B01
M00004027C:H01	M00004051C:D02	M00006882A:D01	M00022495C:G05
M00004028C:B04	M00004052C:A08	M00006901D:A11	M00022504B:E03
M00004030B:B02	M00004052C:B05	M00006907C:D03	M00022505D:A12
M00004030B:C05	M00004054B:G02	M00006907D:C07	M00022509D:F06

ES47	ES48	ES49	ES50
M00004035D:E04	M00004054D:A03	M00006912B:E01	M00022527A:E05
M00004036B:F09	M00004055B:F06	M00006921B:E01	M00022527D:B03
M00004036C:D01	M00004058B:C11	M00006960D:E06	M00022531B:D07
M00004037A:A07	M00004058C:E08	M00006963A:H11	M00022535D:B11
M00004037B:B05	M00004059A:G09	M00006966C:B07	M00022535D:C04
M00004038C:C05	M00004060C:A02	M00006972A:F10	M00022536B:B04
M00004038C:D12	M00004060D:A07	M00006973C:E11	M00022551A:G03
M00004039D:D03	M00004063C:B11	M00006973D:E11	M00022556B:C04
M00004040B:B09	M00004143A:G12	M00006974B:F06	M00022556B:G02
M00004040C:G12	M00004143A:H07	M00006976C:E09	M00022562C:H10
M00004040D:B05	M00004145C:A03	M00007014C:B07	M00022578B:G05
M00004041B:F01	M00004146D:A07	M00007015C:G05	M00022578D:F03
M00004041D:E06	M00004147A:G03	M00007016C:E06	M00022583B:E05
M00004043D:C10	M00004149B:H12	M00007041B:G01	M00022587C:G04
M00004069D:G02	M00004153D:E06	M00007042A:E07	M00022594B:H12
M00004071A:H03	M00004154D:F11	M00007043A:B05	M00022598A:F11
M00004073D:B11	M00004159D:C04	M00007046A:D02	M00022599D:E07
M00004076D:B03	M00004166B:E10	M00007047B:D01	M00022604B:C11
M00004081C:A01	M00004166C:A03	M00007051D:D09	M00022607B:A04
M00004084C:G04	M00004166D:G07	M00007053B:H03	M00022613D:C04
M00004085B:G06	M00004196C:G05	M00007058A:C02	M00022651D:C06
M00004087C:F05	M00004234B:E03	M00007062A:D03	M00022666C:H11
M00004091A:E01	M00004234B:G06	M00007099A:F09	M00022681C:H02
M00004091B:C12	M00004236D:E07	M00007100C:D01	M00022682A:F12
M00004091B:G04	M00004236D:F04	M00007112B:C06	M00022698C:E06
M00004091C:F04	M00004240D:A07	M00007105D:C07	M00022701B:B12
M00004091D:D09	M00004242C:C02	M00007121A:A05	M00022708A:C08
M00004092A:C03	M00004244B:A02	M00007122A:G11	M00022708D:G10
M00004092A:D04	M00004245A:G09	M00007122B:A11	M00022725C:E09
M00004093D:D09	M00004245C:A03	M00007127B:A04	M00022726A:A06
M00004101D:A03	M00004247A:E01	M00007129A:G10	M00022730A:E04
M00004103B:C07	M00004247B:C11	M00007130B:B03	M00022737A:C08
M00004107C:A01	M00004248A:G08	M00007132D:G08	M00022763A:E10
M00004114C:F02	M00004263D:F06	M00007134C:F07	M00022824C:H11
M00004115A:F01	M00004272D:D02	M00007137D:C10	M00022835C:E06
M00004117B:F01	M00004273D:E11	M00007140D:C12	M00022854D:H07
M00004120A:C02	M00004277D:C08	M00007150A:C09	M00022856A:D02
M00004126B:G02	M00004281B:B05	M00007150A:H06	M00022856B:F04
M00004129A:H08	M00004283C:D03	M00007154A:E04	M00022856C:B11
M00004130C:A09	M00004285B:E01	M00007163A:F11	M00022893C:H11
M00004133D:A01	M00004297D:E08	M00007163B:A12	M00022897A:F04
M00004178B:F06	M00004298B:D04	M00007166B:E06	M00022900D:E08
M00004180B:F04	M00004308A:E06	M00007170D:A10	M00022900D:G03
M00004184B:F11	M00004324B:D09	M00007172A:A05	

ES47	ES48	ES49	ES50
M00004191B:G01	M00004328A:H06	M00007172D:C08	
M00004193A:C07	M00004329C:F11	M00007188A:D03	
M00004193C:H01	M00004331D:H08	M00007189D:A09	
M00004199D:C02	M00004332C:E09	M00007193D:A04	
M00004200A:A09	M00004337D:G08	M00007195B:B02	
M00004200A:G06	M00004345A:H06	M00007198C:A10	
M00004200D:A07	M00004383A:F02	M00007199D:B07	
M00004201D:C11	M00004385C:B11	M00007204C:F09	
M00004201D:E12	M00004388C:D05	M00007929B:H10	
M00004202B:A02	M00004406A:H03	M00007961A:B01	
M00004204A:D04	M00004408D:A10	M00007964B:D10	
M00004204A:D10	M00004410A:E03	M00007971A:B04	
M00004204B:A04	M00004412B:E03	M00007977C:E08	
M00004210A:B09	M00004421A:G04	M00007995D:E06	
M00004216D:E10	M00004447D:D10	M00008074D:C01	
M00004217A:A11	M00004460B:H09	M00008094A:E10	
	M00004465C:B10	M00021611D:D05	
	M00004465C:B12	M00021611D:H03	
	M00004467A:F09	M00021614B:G12	
	M00004467D:F09	M00021618D:D07	
	M00004491D:D07	M00021624A:D07	
	M00004497C:E09	M00021624B:A03	
	M00004501A:G06	M00021625A:C07	
	M00004506C:H10	M00021629D:D05	

Table 24 Library Deposits			
ES51	**ES52**	**ES53**	**ES54**
M00001448A:D05	M00001439B:E02	M00006621A:G10	M00021640A:G03
M00001458B:F06	M00001443A:E02	M00006626A:G11	M00021657B:C08
M00001530A:D11	M00001443D:C03	M00006629D:D04	M00021690B:B06
M00001563C:D06	M00001444A:G12	M00006630B:H06	M00021690C:B07
M00001564C:D04	M00001445B:E03	M00006631D:B02	M00022071C:C09
M00001569B:F04	M00001451B:H11	M00006631D:C04	M00022081C:B11
M00001575A:H02	M00001452B:F09	M00006631D:E09	M00022085C:A07
M00001589C:D12	M00001488B:H02	M00006635C:B10	M00022091B:B07
M00001589D:G10	M00001491D:E07	M00006636A:E06	M00022122D:D06
M00001590D:A07	M00001496C:H10	M00006636D:A05	M00022150D:D11
M00001598C:D10	M00001499A:D01	M00006636D:F11	M00022154A:C01
M00001599A:H09	M00001499A:D05	M00006640A:B01	M00022170D:H07
M00001609A:B12	M00001499B:H05	M00006640B:F05	M00022365A:A01
M00001614C:G04	M00001500B:H07	M00006640D:H08	M00022389B:H04
M00001626C:C10	M00001504C:H11	M00006641A:B03	M00022439A:E07
M00001634C:E12	M00001506D:A11	M00006643A:E10	M00022449D:F06
M00001639A:A04	M00001543A:D03	M00006644C:E09	M00022458B:E06
M00001640A:F02	M00001543A:F01	M00006648C:E04	M00022474A:H09
M00001640A:F04	M00001548C:A09	M00006650A:B11	M00022480B:E07
M00001647C:C07	M00001555D:F11	M00006656C:C10	M00022489C:A08
M00001649B:E08	M00001557B:D10	M00006664B:B04	M00022490C:A08
M00001654D:F06	M00001597A:C07	M00006664D:H09	M00022490C:C01
M00001658B:C07	M00001604B:D09	M00006665A:F07	M00022493C:B07
M00001659D:G08	M00001605D:G01	M00006665B:D10	M00022493C:C06
M00001663C:C03	M00001621D:B09	M00006674B:F04	M00022498C:C08
M00001675C:B03	M00001622C:F06	M00006676B:F11	M00022514A:D04
M00001677A:A06	M00001624A:A09	M00006676D:D11	M00022515D:C04
M00001677A:A12	M00001640D:C10	M00006679C:D07	M00022549B:G07
M00001678D:A12	M00001645B:C09	M00006681C:G04	M00022557B:A08
M00001679C:F03	M00003782D:F04	M00006695B:F08	M00022565C:H02
M00001681A:H09	M00003783C:A06	M00006698B:E06	M00022578D:A08
M00001687C:A06	M00003786D:C06	M00006699B:C07	M00022597B:F11
M00001693D:F07	M00003787B:D07	M00006705B:D02	M00022599A:C03
M00003746B:E12	M00003787D:A06	M00006712B:H10	M00022661B:E11
M00003766A:G09	M00003864C:D09	M00006717A:D04	M00022661D:H01
M00003795A:B01	M00003993A:E12	M00006721C:G07	M00022666B:E12
M00003796C:H03	M00003997B:H04	M00006725A:A03	M00022674D:G04
M00003797D:E10	M00003997D:G11	M00006725A:B03	M00022718D:G05
M00003799B:D02	M00004047B:G09	M00006727B:G08	M00022725C:B03
M00003809B:D08	M00004048D:A07	M00006728C:B06	M00022727B:C05
M00003811B:E07	M00004049D:G04	M00006737C:A08	M00022728A:A09
M00003812B:F08	M00004050A:F02	M00006738A:E05	M00022730D:E10
M00003812D:E08	M00004051C:D10	M00006739B:B10	M00022735B:B01

ES51	ES52	ES53	ES54
M00003815C:A06	M00004058B:F12	M00006739B:B12	M00022745A:B04
M00003815D:D01	M00004060C:A11	M00006739C:H07	M00022856B:D07
M00003816C:F10	M00004064A:B12	M00006743B:G12	M00022901D:C09
M00003818C:E09	M00004066A:E12	M00006744C:C06	M00022902D:D03
M00003819A:B09	M00004067C:D08	M00006745D:E08	M00022953B:C07
M00003819C:E04	M00004134A:F08	M00006751A:F03	M00022960D:E08
M00003820A:H04	M00004134A:H04	M00006758D:C01	M00022963A:D11
M00003820D:E02	M00004134C:B11	M00006760D:G12	M00022968A:F02
M00003824B:D06	M00004140B:B01	M00006763B:B11	M00022980B:E11
M00003825B:D12	M00004143C:F08	M00006769D:A04	M00022980C:A09
M00003826B:D01	M00004144D:B06	M00006770B:C05	M00022993A:F02
M00003829A:E02	M00004152C:E01	M00006771A:E06	M00023003C:A03
M00003832B:G03	M00004159D:H07	M00006771A:H07	M00023011A:A06
M00003833D:D06	M00004160A:A01	M00006771B:A09	M00023021A:H08
M00003835A:E03	M00004161B:A12	M00006771B:F03	M00023023A:B12
M00003837C:F05	M00004163A:D11	M00006774D:C01	M00023028A:A02
M00003839C:B05	M00004164D:D02	M00006777B:D10	M00023033A:E10
M00003845A:A05	M00004165C:E09	M00006779B:A11	M00023034C:E05
M00003846D:C12	M00004166A:F02	M00006779D:D03	M00023036D:C04
M00003857C:A03	M00004167C:F10	M00006780A:H12	M00023094A:C04
M00003858A:D01	M00004169A:B11	M00006789C:F04	M00023103A:E11
M00003860B:A07	M00004200B:B04	M00006790D:A05	M00006754B:D05
M00003868B:C07	M00004222A:H10	M00006796A:H10	
M00003881D:D09	M00004223D:D07	M00006797B:D12	
M00003883D:C03	M00004225D:F01	M00006801A:G05	
M00003884B:E06	M00004228C:D11	M00006805A:E11	
M00003886C:D10	M00004229C:G11	M00006805A:H09	
M00003903C:A12	M00004239C:A07	M00006805B:C04	
M00003912C:H01	M00004239C:C09	M00006807D:D08	
M00003915B:G07	M00004240D:E06	M00006813A:C04	
M00003920D:D09	M00004241B:B01	M00006822D:D05	
M00003926B:E03	M00004243C:E10	M00006825C:D06	
M00003934D:F01	M00004266A:F10	M00006831B:B04	
M00003958C:C10	M00004266B:H06	M00006832A:F05	
M00003965A:F07	M00004268C:F08	M00006832D:F10	
M00003972C:F02	M00004268D:G07	M00006833B:E11	
M00003974B:A04	M00004269A:B11	M00006872B:G01	
M00003974C:A05	M00004269D:E08	M00006875D:D10	
M00003975B:H09	M00004276C:E12	M00006879D:A10	
M00003976C:C05	M00004277B:C06	M00006882D:F03	
M00003980C:A11	M00004277C:H11	M00006884D:D06	
M00003987A:C07	M00004279D:E02	M00006908C:A05	
M00003988B:C10	M00004281B:B03	M00006921B:C02	
M00003988C:A06	M00004284B:F07	M00006921B:E03	

ES51	ES52	ES53	ES54
M00003989C:F01	M00004287B:B12	M00006949B:F03	
M00004028C:D01	M00004287C:B06	M00006960A:G11	
M00004029A:E01	M00004297D:B08	M00006966D:G03	
M00004030A:E09	M00004332B:D02	M00006974B:D06	
M00004031A:G05	M00004332B:E11	M00007013B:F02	
M00004032D:D03	M00004346B:D06	M00007014D:C05	
M00004033C:D10	M00004389C:E01	M00007014D:D04	
M00004034A:E08	M00004403A:B05	M00007030A:G01	
M00004035A:A10	M00004407D:B09	M00007030C:F08	
M00004035B:H11	M00004419D:G01	M00007053B:C07	
M00004035D:C05	M00004449D:H01	M00007065B:B12	
M00004037B:A09	M00004463C:F11	M00007065D:C01	
M00004037C:C05	M00004466A:E09	M00007075C:D08	
M00004037D:B05	M00004469A:C12	M00007085A:B07	
M00004044A:F08	M00004470C:A02	M00007118C:G02	
M00004068A:F02	M00004498B:E01	M00007119B:H10	
M00004068B:D04	M00004509A:H02	M00004824C:G09	
M00004068D:B01	M00004605C:A09	M00004826A:E09	
M00004069B:B01	M00004609C:C11	M00004839C:B01	
M00004073D:E01	M00001378B:F06	M00004840C:F02	
M00004075A:G10	M00005294C:G08	M00004840C:H05	
M00004075C:C09	M00005294D:H02	M00004845D:E11	
M00004076A:E02	M00005330C:F09	M00004846A:D02	
M00004077D:D10	M00005333C:C08	M00004846D:H09	
M00004078A:F03	M00005342B:G10	M00004854A:C09	
M00004078C:A08	M00005352C:G09	M00004858D:E06	
M00004084A:D11	M00005352D:E06	M00004999A:F01	
M00004086A:A03	M00005353B:B09	M00004999B:D12	
M00004086D:A07	M00005359B:G01	M00004999D:E01	
M00004088A:F12	M00005359D:H08	M00005004B:C11	
M00004089A:F02	M00005377A:A04	M00005005C:E06	
M00004089A:G03	M00005377A:D05	M00005009B:A02	
M00004093A:F03	M00005385C:D08	M00005015D:D11	
M00004097C:A03	M00005388A:F07	M00005457D:C08	
M00004102B:B04	M00005388D:B11	M00005519B:H04	
M00004102C:F07	M00005392C:C04	M00005519C:F08	
M00004103B:C09	M00005393A:E11	M00005531B:A03	
M00004103C:F11	M00005394A:G07	M00005535B:F06	
M00004104A:H09	M00005396B:C04	M00005587B:H02	
M00004104D:C09	M00005399B:F02	M00005685A:A04	
M00004108A:D04	M00005400A:D02	M00005706D:A09	
M00004109B:A01	M00005403D:E11	M00005711A:H01	
M00004126D:B11	M00005406D:B08	M00005798B:C11	
M00004133C:B02	M00005411D:E05	M00005799C:C12	

ES51	ES52	ES53	ES54
M00004182D:H03	M00005415D:G02	M00005805D:E06	
M00004183A:D06	M00005417C:E10	M00005827B:H08	
M00004186B:E05	M00005419A:D05	M00005828D:C09	
M00004187C:H09	M00005419C:D09	M00005837A:D12	
M00004188A:E05	M00005443D:C12	M00006751B:B11	
M00004188A:E10	M00005447B:D02	M00006754B:D05	
M00004190A:C12	M00005448D:E08	M00006756B:B08	
M00004190C:G07	M00005450A:A02	M00006757D:E04	
M00004190D:A10	M00005450A:B10	M00006758A:B12	
M00004190D:G12	M00005450D:D02	M00006758D:C04	
M00004198D:H04	M00005451A:E03	M00006834A:C08	
M00004202B:F04	M00005456B:B07	M00006835B:F04	
M00004202B:G09	M00005456B:E03	M00006837C:G06	
M00004206C:G11	M00005460A:B10	M00006841D:A08	
M00004213A:H12	M00005465C:H02	M00006855C:H02	
M00004214A:D03	M00005466A:F12	M00006855D:H02	
M00004218D:F12	M00005468B:D04	M00006859A:F06	
M00004249C:E12	M00005470B:E01	M00006860B:H01	
M00004249D:G02	M00005473D:E10	M00006886A:D06	
M00004252D:A07	M00005483A:F05	M00006893C:B02	
M00004253D:F09	M00005483D:A02	M00006893C:F02	
M00004257C:A08	M00005487A:H01	M00006895D:E10	
M00004262C:C01	M00005489A:F06	M00006917C:E07	
M00001339B:E05	M00005493B:A12	M00006919B:C03	
M00001341A:A11	M00005493B:E01	M00006923C:B01	
M00001346A:B09	M00005497C:C10	M00006926A:H11	
M00001346B:A07	M00005505A:C08	M00006934A:G02	
M00001346B:G03	M00005508A:H01	M00006936B:E09	
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M00001348D:H08	M00005534A:G06	M00006937B:G09	
M00001352C:E01	M00005539D:G07	M00006939B:E05	
M00001362B:H09	M00005571A:E11	M00006953D:H11	
M00001370A:B01	M00005619C:H10	M00006980A:F02	
M00001370B:D04	M00005625D:C03	M00006986C:G11	
M00001374C:C09	M00005626A:B11	M00006989B:C11	
M00001376A:H02	M00005635B:A06	M00006990B:H09	
M00001378B:F06	M00005635C:F11	M00006991A:E07	
M00001380C:D10	M00005636C:D11	M00006991D:G07	
M00001383C:C07	M00005637D:C05	M00006995C:A02	
M00001384A:C09	M00005641B:E02	M00006997B:E06	
M00001391D:A07	M00005645D:F08	M00006997D:B03	
M00001391D:A09	M00005646C:B09	M00007006D:D04	
M00001396C:G02	M00005646D:B03	M00007010B:C11	

ES51	ES52	ES53	ES54
M00001397A:F10	M00005655D:C04	M00007010B:H03	
M00001397B:E02	M00005703C:B01	M00007012B:D07	
M00001397B:H11	M00005720B:D09	M00007031C:D01	
M00001399D:F01	M00005722A:E09	M00007032A:F11	
M00001400D:B08	M00005762D:A01	M00007033A:H05	
M00001402C:E09	M00005783A:C05	M00007033D:F04	
M00001406A:G12	M00005812C:F10	M00007036A:D02	
M00001406D:B06	M00006581C:D02	M00007037B:D04	
M00001408A:B02	M00006581D:H08	M00007084B:A05	
M00001409C:D01	M00006582A:B09	M00007093A:F09	
M00001411C:F02	M00006582D:E05	M00007099C:F09	
M00001411D:C01	M00006592A:D03	M00007101A:A11	
M00001412D:C03	M00006594D:F09	M00007107A:D11	
M00001417B:C07	M00006596A:F07	M00007121C:H01	
M00001417C:A09	M00006601D:F04	M00007129A:E04	
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M00001438B:H06		M00021619B:G10	

Sequenom, Exhibit 1015, Page 172 of 195

We Claim:

1. A library of polynucleotides, the library comprising the sequence information of at least one of SEQ ID NOS:1-2702.

2. The library of claim 1, wherein the library is provided on a nucleic acid array.

3. The library of claim 1, wherein the library is provided in a computer-readable format.

4. The library of claim 1, wherein the library comprises a polynucleotide corresponding to a gene differentially expressed in a cancer cell of high metastatic potential relative to a control cell, wherein the control cell is a normal cell or a cell of low metastatic potential, and wherein the sequence is selected from the group consisting of SEQ ID NOS:1213, 1538, 1466, 1356, 1383, 1158, 441, 1338, 1426, 1547, 1313, 841, 1534, 1503, 829, 1408, 1447, 1389, 356, 1492, 1543, 799, 1437, 1251, 972, 1482, 1299, 109, 1558, 1355, 1548, 250, 919, 358, 1525, 1157, 150, 651, 1298, 57, 625, 1322, 36, 621, 215, 561, 247, 199, 998, 502, 1382, 1181, 1309, 1157, 1260, 1185, 1525, 248, 87, 698, 57, 924, 1249.

5. The library of claim 1, wherein the library comprises a polynucleotide corresponding to a gene differentially expressed in a cancer cell of low metastatic potential relative to a control cell, wherein the control cell is a normal cell or a cell of high metastatic potential, and wherein the sequence is selected from the group consisting of SEQ ID NOS:248, 726, 14, 699, 763, 20, 79, 715, 991, 1199, 707, 1128, 891, 1146, 731, 1518, 340, 949, 1247, 1185, 924, 822, 728, 341, 1527, 698, 949, 744, 973, 1268, 1114, 1032, 109, 973, 91, 982, 1267, 93, 1556, 1251, 1206, 812, 1254, 1220, 766, 1156, 1007, 981, 762, 876, 1234, 1183, 1044, 785, 1069, 770, 778, 792, 822, 1258, 1224, 984, 841, 339, 1213, 1201, 1192.

6. An isolated polynucleotide comprising a nucleotide sequence having at least 90% sequence identity to an identifying sequence of SEQ ID NOS:1-2707 or a degenerate variant or fragment thereof.

7. A recombinant host cell containing the polynucleotide of claim 6.

8. An isolated polypeptide encoded by the polynucleotide of claim 6.

9. An antibody that specifically binds a polypeptide of claim 8.

10. A vector comprising the polynucleotide of claim 6.

11. A polynucleotide comprising the nucleotide sequence of an insert contained in a clone deposited as ATCC accession number xx, xx, xx, xx, xx, xx, xx, xx, or xx.

12. A method of detecting differentially expressed genes correlated with a cancerous state of a mammalian cell, the method comprising the step of:

detecting at least one differentially expressed gene product in a test sample derived from a cell suspected of being cancerous, where the gene product is encoded by a gene corresponding to a sequence of at least one of SEQ ID NOS: 1213, 1538, 1466, 1356, 1383, 1158, 441, 1338, 1426, 1547, 1313, 841, 1534, 1503, 829, 1408, 1447, 1389, 356, 1492, 1543, 799, 1437, 1251, 972, 1482, 1299, 109, 1558, 1355, 1548, 250, 919, 358, 1525, 1157, 150, 651, 1298, 57, 625, 1322, 36, 621, 215, 561, 247, 199, 998, 502, 1382, 1181, 1309, 1157, 1260, 1185, 1525, 248, 87, 698, 57, 924, 1249, 248, 726, 14, 699, 763, 20, 79, 715, 991, 1199, 707, 1128, 891, 1146, 731, 1518, 340, 949, 1247, 1185, 924, 822, 728, 341, 1527, 698, 949, 744, 973, 1268, 1114, 1032, 109, 973, 91, 982, 1267, 93, 1556, 1251, 1206, 812, 1254, 1220, 766, 1156, 1007, 981, 762, 876, 1234, 1183, 1044, 785, 1069, 770, 778, 792, 822, 1258, 1224, 984, 841, 339, 1213, 1201, 1192

wherein detection of the differentially expressed gene product is correlated with a cancerous state of the cell from which the test sample was derived.

NOVEL HUMAN GENES AND GENE EXPRESSION PRODUCTS V

Abstract

This invention relates to novel human polynucleotides and variants thereof, their encoded polypeptides and variants thereof, to genes corresponding to these polynucleotides and to proteins expressed by the genes. The invention also relates to diagnostic and therapeutic agents employing such novel human polynucleotides, their corresponding genes or gene products, e.g., these genes and proteins, including probes, antisense constructs, and antibodies.

Docket No. 5655-0-PCT-US

Atty. Docket No.: 2300-1487CIP

DECLARATION FOR PATENT APPLICATION

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled *Novel Human Genes and Gene Expression Products V*, the specification of which is filed herewith.

I hereby state that I reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the Patent Office all information known to me to be material to patentability as defined in 37 CFR §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119(a-d) or 365(b) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)			Priority Claimed	
(Number)	(Country)	(Day/Month/Year Filed)	Yes	No

I hereby claim the benefit under Title 35, United States Code, §120 or §119(e) of any U.S. application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior U.S. application in the manner provided by the first paragraph of Title 35, U.S. Code, §112, I acknowledge the duty to disclose to the Patent Office all information known to me to be material to patentability as defined in 37 CFR §1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

60/085,426 (Application SN)	05/14/98 (Filing Date)	Pending (Status)
60/085,537 (Application SN)	05/15/98 (Filing Date)	Pending (Status)
60/085,696 (Application SN)	05/15/98 (Filing Date)	Pending (Status)
60/105,234 (Application SN)	10/21/98 (Filing Date)	Pending (Status)
60/105,877 (Application SN)	10/27/98 (Filing Date)	Pending (Status)

Direct all telephone calls to Robert Blackburn at (510) 923-2707. Address all correspondence to:

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Emeryville, CA 94662-8097

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Title 18, United States Code, §1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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Docket No. 2300-1487CIP

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Crkvenjakov, Radomir
Dickson, Mark
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Labat, Ivan
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Garcia, Veronica
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cctgccnatc taattctttg gntaaanntt ntcnntcttg natctccatn gccatgatnt 180
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tttaaacctg agtancncnc agaccccttt tnanggnnaa cnnanttctc ntggatccca 240
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ccacacccag cctttttttt ttttttttt gnaaanaaag ggncnaattt tnnccaaaan 180
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tctcttctag gctgaatcaa gatggtttgc ataagagacc atgcagatgc acgtctctgc 120
tatcttacat taaaaatgca gaatggctca cctgcccttt gttgtcatat gttatataga 180
aaaacctatt tgcatgagaa ctgtcaccca cagttttggg tagggtcagt gtgtgccact 240
gagcaggaac gccgagggcc ataacctgtc taatgtatta aattctcagg aatcgggatt 300

<210> 19
<211> 300
<212> DNA
<213> Homo sapiens

<400> 19
cgctggtgtc aggagtattt tcatattcca ataccgataa atctttgagg tgattttggt 60
tgatcacgat tggggtttct gtggagccag taataggggg tgtcgaggtt gcctgtggag 120
ttagtgattg cggtttcagg cttcggtgat ggggttctgt ggcgtccgtt gttgattgtg 180
acggatttct caggtttctg ggtgtctctg gggagcccct gggccagatt ttcctctaga 240
ctccagccca tctcttcaga gcagctctgc ttgagttcac agatgactgc caagcttcag 300

<210> 20
<211> 300
<212> DNA
<213> Homo sapiens

<400> 20
acatggtgag ttatgcatat ctgaaaatga aagaaggctt gtttctaaag aggcttggag 60
caaactgcag cagtactttc caaaggctcc tgagtttcca agttacaaag agtgctgttc 120
acagtgcaag attttagaaa gagaagggga agaaaatgaa gccttacata agatgattgc 180
aaacgagcaa aagacttctc tcccaaattt gttccaggat aaaaacagac cgtgtctcag 240
taactggcca gaggatacgg atgtcctcta catcgtgtct cagttctttg tataagagtg 300

<210> 21
<211> 300
<212> DNA
<213> Homo sapiens

<400> 21
ctaattgggt tgttttctag acttaggaat caccagggaa aggctaagct tagagaggac 60
tgtggattga gccctcatct ctttttaatc tcctctataa cctggcagat tctattggct 120
tttcattatg agattgtact gcaaatgaaa gaaagaggag gtggggtgtt ctgggcttgg 180
ttacagctgg gtgtttatca caggcattta taagaagtta gtacactttc aggccctctg 240
acaggaagct ttgtaacctg gcattcatgt catgccagca ttaagtttag agaaatgctc 300

<210> 22
<211> 290
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(290)
<223> n = A,T,C or G

<400> 22
cagcaactca ggaggctgag gaaggagaat cacttgaacc cgggaggtgg aggttgcagt 60
gagccgagat cgccccactg tactccagcc tgggtgacag agcaagactc tgtctcaaaa 120
aaaaaaaaan gncccnngga aantttgng gannggntna gttnggntnc ngggtnggna 180
nttantnnta ncnggcaagg gcaaaaaaag ngnggttant taggnggntt tncaccnccc 240
caantgaaaa atgggnggtt ttaccccggg gaaatggana tntcacagat 290

<210> 23
<211> 300
<212> DNA
<213> Homo sapiens

<400> 23
gttgcaaagc ttgggactgg aaattgtttt gttcttgaaa caaaatactt ctttaaggtt 60
gcttttgctg tttgactgct gtctacattc gtaaaattct attttgtgaa ttggtagcta 120
aatcccttac taccctgaca ccgtggtatc tactgtattt cttttcaagg tgcaatttgc 180
ttcagagttc cagtcagcta gattaagcaa gaggctccag aagaaatgtt tacttgaatt 240

ttgcgcttcc tttcttgata gtttcctata taaaatttgt cattgaacaa gagcaaatgc 300

<210> 24
<211> 272
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(272)
<223> n = A,T,C or G

<400> 24
acaaaacctc gtcattaaag acaaatttat cagaagatgg gtgcacaaag aaggctttag 60
tggctccaag aggtatgtga ctcgctgccg angncntngt ncttgnttnc cgngntngta 120
ctncctnttg ccntttntgn ccnttnnttt ctntnnttng tgtnnctngt gnncnttgtg 180
gngnttttnn nggcttgctt ntttntgagn tttnntcttt nttntntatt cntttcncnn 240
tgtntgtnnt nttgntntnt tntgttttnc ta 272

<210> 25
<211> 300
<212> DNA
<213> Homo sapiens

<400> 25
tggaaactat gtccctgcac ccaaagaagg ttcttttgaa ctttatggag accgagtcct 60
gaaactggga actaacatgt acagcgtgaa tcagcctgtg gaaactcatg tgtctggatc 120
atcaaagaac ttagcctcat ggacccagga aagcattgct ccaaaccctc ttgctaaaga 180
agagctgaat ttcttggcca ggctgatggg agggatggag attaagaaac ccagtggccc 240
tgagcccgga ttccggttga atctctttac caccgatgaa gaagaggaac aagcagcgct 300

<210> 26
<211> 300
<212> DNA
<213> Homo sapiens

<400> 26
gccagcatga aaaccaggaa aactgctttt aactttcaag ttagtgaata tccaaggagg 60
atatacctgc cctatcccta aactgagctg atgaggctct gatagggttc aaggttgtgt 120
gacttctagt tctgattcca acccaatagg gccatctcac agccccatct ctgcatatta 180
gtttctccgg ttggaccctt aggctgaaac attgctatct tcctcctgta catgcagcag 240
gcctgttttt tggctaaaga aagtaatgaa aggttcagtt tagaaatgac aggccaggcg 300

<210> 27
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 27
cacaagctat ataaaacctt ctagaatgtc ctttttgcag taactggtgt cactgcaatt 60
ttaagactga aatattagag gataaaacta gtgacatgaa aaaaatagcc ttggtgactt 120
gtgcatcttt tgtggagccg gaaggtaatt tttttaattt cacgcactcg ctttccttct 180
ggagagtctg aaaggttgct gagatattag cactgatcct taatgccacc tcagagagct 240

ttgggatcag gcggcacttt gacaggcgat cacagngttg naaatnaggc actccaggga 300

<210> 28
<211> 262
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(262)
<223> n = A,T,C or G

<400> 28
gggctttgaa gatagctttg aggaagaaga ggaggaagaa gaagatgatg actaagcagt 60
actctgaatg gaccacagtg tttgcacata tttgcaattt tttgctgntt tggaagngta 120
tcataaacca gantcagnac agaactgatg ntgagggagg ggnacgntct cttttgtatt 180
ttatttnncn cnntnnnntg ttctngnctg nnnntncnat cnctntngnn tttnnnctnt 240
aatnnanntt tttgtnnnnn tc 262

<210> 29
<211> 300
<212> DNA
<213> Homo sapiens

<400> 29
ctcgcgcaat gggctgcctg tggacatcac caaggtgccg cctgcccctg tcaacaagga 60
cgactttgcc ctggtccagc ggcctggccc gggtctgtct caggaggccg cccggcgcta 120
tggtgaactc accaagctca tacggcagca gcacgagatg tgcctgaacc actcaaacca 180
attcacccag ctgggcaaca tcactgaaac caccaagttt gaaaagttgg cggaggactg 240
taagcggagc atggacattc tgaagcaagc cttcgtccgg ggtctcccca cgcccaccgc 300

<210> 30
<211> 297
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(297)
<223> n = A,T,C or G

<400> 30
aggatcagga agtttgtgct ctctgcgtgg ctaagttttt cacctactag gacgggggag 60
gtgtgggagg ttttggtgtn cttctaagat acnnnacnag nttcnnnctg nttcccaccn 120
taacccagaa tnnctatatt atcaggcgcn natgaccact ttaacttacc gngnccgang 180
tactgnaatt nnccatanct ntgaacnnan natnnnttgt gaggattaca gcacttgcga 240
gatgantncc actgctgaaa nattcttngn gactctantg ttatnccctt taccctt 297

<210> 31
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 31
gcaaggtgca gtagctcacg cctgtaatcc cagcactttg gaggccgaga caggaggatt 60
gctttagacc aggagttcag gaccagcctg gccaacacag tgaggccctg tctacaaaaa 120
attaaaataa tcacttagaa aaatcaaata ttcttgaaaa agtttagact tgcaaatata 180
atatggggaa aatggacang cnaccnattn actctagttc naaaatacca agccgactgn 240
ctnncattaa gttnnagaag cnnaagnagg anttaacagc tccatganga ctnttgatga 300

<210> 32
<211> 282
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(282)
<223> n = A,T,C or G

<400> 32
tagaagaaac acacagaaca agcagcctga catgtaacag agcaggaagc ccccccatgt 60
ccacctctac ctcattttgt caagtcttca agagacctcc aggcccagtc actgtgaatt 120
cattcctctg ggtttaggca ctcacctccc cgccacccca gagaggtagc atattaaatc 180
attaacagaa tctaatataa nggggccctg tgattactgg gaacncgttc ttctgaatta 240
tatgcgngng anccntantn cntgnngnan gnnctttaaa gg 282

<210> 33
<211> 296
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(296)
<223> n = A,T,C or G

<400> 33
aggccttttc cccacttctt aaccttcact gagagggtgg ttggggtctg tttcactcca 60
tgtgtcctag atcctgtgct acagaccttc ctttctgtcc tcccgtcttg gacctcagtc 120
ctgggggctc caaagtgctg ttcgtgcagg tagtgtgatt acccaaccta ctgctganct 180
anccatttcc cgnccccccg ggacacgttc tctctgccaa tngncttctt gnctgagctc 240
cccaagctcc atctgtcatg ctgngnagcc canntggcgt tcanaatngg tctggt 296

<210> 34
<211> 261
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(261)
<223> n = A,T,C or G

<400> 34
gctacagcca ttacagtcaa ctagatttga gtgctgccgc tggtaagtta attgaatagc 60
caagttatgt tgtccttacc caagtagaca gtggaaagga ataatggcan aggccatgat 120
gcgagtntgg ccncanccat gcatnccntc tgtngtgntc ttagttctgt natactctat 180
gttttangtt anttacctaa atcatntntg aatcangnnt nattttncnt tntatgtatc 240
nnanngtnta nttttntngt t 261

<210> 35
<211> 300
<212> DNA
<213> Homo sapiens

<400> 35
ttcaaatttc tgtgcccttc tctcctctcc ttggttctct cccatgtttt gtcaaacttc 60
ccacacccag ctccttaaac aaagggactg gctaggtcag gcagaggttg agtcaagagt 120
gctcaggtgt cccaggatga ctgtcaagag tggtggcagc tctcctatgt ctcagccccc 180
caggagcacc tcagccctgc aacggcatca aactgggtgg cacacactag tatggagcca 240
gaaatcagtc agtgggaata tgatgcaccc aattttacag tgactgtgtc ctgaaactcc 300

<210> 36
<211> 261
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(261)
<223> n = A,T,C or G

<400> 36
gcctacacta gtgaattaat ctgaaaggca ctgtgtcagt ggcatggctt gtatgcttgt 60
cctgtggtga cagtttggga cattctgtnt tcatgaggac tcacagtcga ccntcatgtt 120
actttctttg nnnnactctn ttnccttgnn tgactgcntg ctngatnttn tntcntnncn 180
caaangtngc cnnnttttagt nntncgttag agatncangn gnnggntnnc tgttaaatnt 240
cgnnnnnnct tnnncanatt c 261

<210> 37
<211> 300
<212> DNA
<213> Homo sapiens

<400> 37
catgtggtgc acaggtcgga tggtaaattt cagatctttg cctatagagg gaaagttcct 60
gtggttgtga gttacagacc tgccagggga gtcctgcagc cagacaccct gtccattgct 120
agccatgcat cattaccaaa tatatggacc gcatggcaag ccataacccc cttggtggag 180
gaactgaatg tcctacttca ggaatggcct ggactgcact acaccgtgca cattctctgt 240
tctaagtgcc ttaagagagg atcgcccaat ccacatgctt ttccagggaa atctgctgtg 300

<210> 38
<211> 300
<212> DNA
<213> Homo sapiens

<400> 38
aaaatgagag tattttcttt tctcccttca tttacctggg tgttttggct caccaaagag 60
ttgtgttctg caaatgtctg ggcaatccat ggagctaaac tggcattaga gtcaagtaac 120
actcctcctc tctccctgtt cttttcctta aaatcttcaa aggcattggg ggttttacct 180
tagcaacttg ctatttcgtc ttcttagttt gaaccttcaa atatagctgg atataataaa 240
atgctcctca aatgaggaag taccagaaag accagatgca tggtctcatg cttcccttgt 300

<210> 39
<211> 300
<212> DNA
<213> Homo sapiens

<400> 39
cttcagcata caccctcagg gagtcacagc cttccaacgt ccattcatgg agcccaggtc 60
caaaacctgt gatccgagaa taggataacc cttttctgcc catagggtgt tttccaaaga 120
cctttcattg ctctgggtta cgtgggaaac aacaaaacag aaccatcccc cgcactggtc 180
agctgctacg ggtcacgcca gggaaaagtg tggactgatg tatttcgttg tttaccatgt 240
ttctagccag agctaatttg aaaataggta tcccaagaac cagactgcag gagtatccca 300

<210> 40
<211> 300
<212> DNA
<213> Homo sapiens

<400> 40
gaggaactcc ccaggcattc tgtgagatgg tagtgttcac agcgctgaca gatgtccctt 60
tgacacagtc ctggggtctt ctctgcacaa cagaaaggag ttttgtgaca aagttgatgg 120
aggaggttag gtatttaatt aggactagcc agggagggca gggactctgt taagcagtga 180
atttgtcaaa attttacttg taccaggtgg gaagataact agctgtggaa gcctgttctg 240
agatgccctg ccatggccaa tgactggtta accacaaggg tcactaaaag agagggtttc 300

<210> 41
<211> 298
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(298)
<223> n = A,T,C or G

<400> 41
ggaacctcac ctgtggctca gctcacccca catccgtttc tcattacgtg taaataaact 60
gtcagagctg atgttacagc ttttacagtt taaagcattc ccctcgtctc tagttccttt 120
tttnttgntt acatagtntn ggcactttcc ctgattcacn ancttncngg gnngangagn 180
ggagnaggng gggcgtnatc nggtgnattn nggngngnnn gnngtgggaa ggntntggcg 240
ngnngcngnt atntgggagn gtgggnagtg gtagggntnt antnngtgac ntggattg 298

<210> 42
<211> 298
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(298)
<223> n = A,T,C or G

<400> 42
gcttgttctg gggaaagctc atataagtat ggattttatt cctcaactag taggatacca 60
atactggtat tgaaacttgg ggaaaataac tggagatacc agtgcagcta tttaaagctg 120
tagcaagggc tgcaatcttg cggagatttt aaagagaagt tttaaagttt ctaatactga 180
tgcctctttt tggtaaatac aagttttata aatcctgccc tgggatcctg attccccatt 240
aatcaagatt tgtcagactt caccttctat aattagaaaa cacngttata agaacagt 298

<210> 43
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 43
cttgaaccta ggaggtggag gttgcattca actgagatca taccacttca ttccagcctg 60
ggtgacagag caagactctg tctcaaaaaa aaaaaggaaa actntgngan ggacatttgt 120
tnagtaaanc cnttcagtat tnatccntcc tttccccnca gcagctttnt ttcctgtcaa 180
ctaaaangga ccaggangta ataaatncnt tttggnggga ctaggccacn ccaantntna 240
atcntctccc ntttncctta nacatttaaa ttgcaaggcg ggnccctctg gngctcaaaa 300

<210> 44
<211> 163
<212> DNA
<213> Homo sapiens

<400> 44
ccgggccagg gtaacagaat caaccctgcc ctgccctgcc tgagcctggc accagatcac 60
aagcaacaga agtcttctgc cagctgaaaa gctgagtgtg ggacagcagc actgaggaag 120
ccctgacacc ctagtcccca ctctaagcag cccaccacta gag 163

<210> 45
<211> 277
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(277)
<223> n = A,T,C or G

<400> 45
ctcaggcagg gagaaaagga ggcagtgggc acagccgtgg actatggcta cttcagattc 60
ttccaggacc ggaggattgc ccgctgtccc ttccacacgc tgatgccanc agagcgcgag 120
acgctcctgn cnccggaann ctctcttggn gtnantgnnt nttgcttcta ttttttantng 180
nnnnannnct nttggttggn ccctatttttt cncncngcct cnnggnanct ttttttttacn 240
nngttntctn ctncngnncc aatnnnnttt ccttttt 277

<210> 46
<211> 293
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(293)
<223> n = A,T,C or G

<400> 46
gaagagcttc tgcaggggct gagcagaccc cagggcctct tagccaatcc ccgggcctgg 60
tgaagcaggc gaagcagatg gtcggaggcc agcaactacc tgcacttgcc gccaagagtg 120
ggcaatcttt taggtctctc gggaangccc cagntttcct ccccantgat ganatgatna 180
tgtnncttnt nanntgcntt gtnttatntn tnncttntat ttnntatctt nttttcnant 240
ttnttttttt gnttccgtnc tnnnttnttn tnggngnttn tcttnnttgt tgt 293

<210> 47
<211> 258

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(258)
<223> n = A,T,C or G

<400> 47
tttctaatat gattacatga gtctacttta taaactggta taggctatgt aattagcccg 60
taagttactt aaaggaccag gggacctaat ttttgtcagt tttccagtca cattggtgcc 120
attcaggact ccagctgttt acaggaaata tgtacttatc anaatagtat ttttccttga 180
ggnatnncan gatntttgcc tcattaccac ttgggnatta ttngntngca agnnngntaa 240
ncngcannnc cattgcta 258

<210> 48
<211> 271
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(271)
<223> n = A,T,C or G

<400> 48
gagagagagg gcctgctgga gagcataggg tctggaacac caggctgagg tcctgatcag 60
cttcaaggag tatgcaggga gctgggcttc cagaaaatga acacagcagt tctgcagagg 120
acnggaggct ggnagctntn agggcttnnt gctntntaga tttcntatnc ncntcnnttc 180
tntnttttac ctttntttct actncttnnt tttttntttt ntgctnntnt ntnnnttttnt 240
nnttnncccn nttntttctn tncntcatct t 271

<210> 49
<211> 291
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(291)
<223> n = A,T,C or G

<400> 49
aattcggcct ctctagagtc ttccccaggc cactccttca cactccttac tagcagcccc 60
tgcttagcct ccacactacg gcctggtgac ctggtccatg gtgctcgccc tggtgcttga 120
agcctggnaa gcgnccangg ctgtggttcn nggatgtngc ttnagntaan angnnggtaa 180
cccgggaann naattnanan tnnanaagng gggggctttn nttntattnc cnaaccntnt 240
nctttanccn tannntttgg cngntgnaaa aggtattcnn antnccttte c 291

<210> 50
<211> 300
<212> DNA
<213> Homo sapiens

<400> 50
gagttctaca ggtggagtgt ggggcccaga aggggctcag gtcttagggg tgtcatctga 60
aaaaacagag atggtgatgg gacaccagtt ctaggagccc tctgcatggc cactttctgc 120
ctcagctctt ctaaagcatt tcttctgttc ccttccattg gggtaaccac tgatctgtct 180

tcccaaaaac tgagtcagaa gttggacttt gttacttggc tcatctacat ttaagatata 240
gtcagaaaaa aaatgcagtc tttacatctt aagaaagctt acatgggcca ggcgcagtgg 300

<210> 51
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 51
gttgttgtta ccgtgtgcca atgtgtccca tgtgggttgt gccaggtaga gaaacaggaa 60
gtcaatcatc tgtgacagtc tctattctgt cgttttgctc cttggtattt gatttgcact 120
atatttacnt gannectgtt cactgtttaa aaccngaggn catcttnana ggcattggag 180
acctggcttc nnaatgntgt cccancantn ctgnctnaan ctcctgntca tntcccnttn 240
ntgnngtgnn ccannacnnt tattttnaat tngtatnnta atntanacnt gtttctcccc 300

<210> 52
<211> 294
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(294)
<223> n = A,T,C or G

<400> 52
agaacacaaa acttgaaaga agttttatgc gtgtgacagt gtatggggct gcagttggtc 60
tccctggagg ggacttccac acctcctgcc tttaggccat gggtggaang tgctcnttgt 120
tgtctccttt nttccctttt gtngcgntnt gnnnntnttg ntttnntntt ttagtttntg 180
ttttcttctn nttntntnga ncttnngttt ntntnnnnnc ttttttctng cntgtngnnt 240
ntctttngtn natattnnnn nnngttgcnt nttgggntcg tctnntnttt tcta 294

<210> 53
<211> 165
<212> DNA
<213> Homo sapiens

<400> 53
gtggctttta tcatgcatga caaacccctg gctttcctgc cagatggtag gacatggacc 60
ttgacctggg aaagccatta ctcttgtgtc tgctactgcc ctcccacagt caccccaata 120
ttacaagcac tgccccagcg gcttgatttt ccctctgcct tcctt 165

<210> 54
<211> 300
<212> DNA
<213> Homo sapiens

<400> 54
ctttgggaca gtgtgagtgg agcttgtgtc cagttgtgca cacggacacc cggaaacctc 60
tcattaggag aagccactgc tgcgcaccct ggagatgggt tttgaccctg ggctcccgtt 120
aatgttgttg tggctccaga tgcctcagaa ataacttcca gagtcaacac catctgcgga 180
agtgccgtga gacggtgcat gggctggaga cagagacagc cggcgccgaa catacctggg 240
gctgcccgtg caaactgggg caagcccttc agcctccatg tggctgcttt actatggaga 300

<210> 55
<211> 264
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(264)
<223> n = A,T,C or G

<400> 55
ctgtgactgg ctgagctgct gtggccgggc tgggcagtgt gccccaacag ctcagtgctt 60
tcctgacact ccagtgtctg gggtggttga ggagcgagta ctctcttnct tccanaccaa 120
gttcctncct ngggtttgcc ttganacgtn ttatgntttt nnancntatt nntctnnnnt 180
atnantttt anatnntntn tnncttatta nantnnattt tnttantatn tatagnnnta 240
tnnnntnttn aanatatnat nata 264

<210> 56
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 56
ccccagattc ccaatcccac cgcaatgttt ggcaagccta ggactgataa gtagctctga 60
tagaggagct ggtggctttt atacttcttc ctgggttttt gttggggttt gttgtttcgt 120
tgttttttgt ttttttttt gttnggttgg gnaagnattg nnttnnacgn gngctatttt 180
cagtaccana gtaancncaa ggtttnaatc nagttgcata aaacaccttt gcatagctat 240
tnaatngccc aangtaaaac tttaangcca tttcnaangc tttaattcat ttttgaagta 300

<210> 57
<211> 278
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(278)
<223> n = A,T,C or G

<400> 57
gtgtcccaag tgtccggagc aggcggcaga ggcctcagtg cggcaaacac aggcccagag 60
cctgtgtggc accagcagca tcttagagcc ccaggtatat gctgagatct tatctcacgc 120
tgtctccagt tgtctgttgn gacnaanngn tgnnnctant ncnnnacacc ttnnnnanttt 180
gtatnnttgc nttnnntntn tncnncttna ntctnngttt naccngntat gctnngnnnt 240
tntnttactt nannganata gtccacattc gctactct 278

<210> 58
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(300)
<223> n = A,T,C or G

<400> 58
gctaagcctt acacacttgt cctgtgcctt tgttgtcgta tccctatgta aataccttct 60
ccaccttccc attccttcat ggatgacttc ccagaccttc ccactcatct tttgaatgtg 120
tttattgctg acttggcaat gcatcaaaat ctttttttt ttnggccncn ggnntaacng 180
nntnacaggg ggaanncccc nngaaancgn aaaactnttn gcanctnang tcnnnccngn 240
atnttcangg ncagggatna ttggtggcna nagttttnan gncnntaang ancctttaag 300

<210> 59
<211> 262
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(262)
<223> n = A,T,C or G

<400> 59
aaaaagaagc cagtaaaaga tcctgagatg gattggtttg ctgatatgat cccagaaatt 60
aagccttctg ctgcttttct tatattacct gaactgagga cagaaatggt cccaaaaaag 120
gatgatgtct ccccagtgnt gcagtttttc tcactatttn ctgcttantn tannntactg 180
ngggngangc ttantgctgg ntttantgag ngntantatt nctgnttntt tgcgncntgn 240
ntnnnnanttn ttttcagttt cc 262

<210> 60
<211> 274
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(274)
<223> n = A,T,C or G

<400> 60
aaccggacgg acttgcccat cggccctcac gacacgcgtg cagtgggact ctagccaagg 60
cggtggccga gccatcatta caatttttct ggagtaaagg atccacggtg ggacatcaac 120
tggcacttac tctgtttagg aacttgagtt gaatcatttc taaacttgtc ctttagacca 180
cgcctagggc agcaaattcc acttcctaga actgcaaacc gggagaggat gtagntagat 240
tntggcatnc tgccccggct ctttgaggga aaag 274

<210> 61
<211> 268
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(268)
<223> n = A,T,C or G

<400> 61
gaaggatctc cttggttacc aaagacactc acatctttaa ttttggtgtt tcgatggaag 60
cacaggatat aattctctgc ctccttaaat tgttgaacgt gctgcaaagt ttgacattta 120
gaaatagaac tagggctgtg gggctttgtt ccgctttagc ggctttgttc tntgtcnttg 180

cnnnctcact tnngtgcntn gagntcagnn natattatac annantgnnn nnncnnannc 240
nttangcagt nttgcagggn gcgacact 268

<210> 62
<211> 289
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(289)
<223> n = A,T,C or G

<400> 62
ggagaccgtc actccaggtg cattctggaa gcattagacc ccaggatgga gcgaccagca 60
tgtcatccat gtggaatctt ggtggctttg aggacattct ggaaaatgcc actgaccagt 120
gtgaacaaaa gggatgtgtt atggggctgg aggtgtgatt aggtaggagg gaaactgttg 180
gaccgactnn tgccccntgc tcancactga ncnctctgan tgnttnnang cttnnttnnt 240
tnnatacnnt atnncnattn ncnnttttttn nntntttntt tnttttttt 289

<210> 63
<211> 270
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(270)
<223> n = A,T,C or G

<400> 63
aacactttct accacactgt gggaagcatc gataaacagt cataataatt atcattctga 60
gtcactgcaa gcgtggggtt ggatgctggc tctcacagta tcctgtgtag ggaccatgag 120
cagccatgcg cncctncang cacggncgag ctcaaccnga agancnngcg tgctccctgg 180
caggagcagg atgcctgacc acagantgat aattattatn acnggtatng nngcttgcca 240
cagngtggnn gaaaggnntg aatttcactt 270

<210> 64
<211> 291
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(291)
<223> n = A,T,C or G

<400> 64
gaataaggga aggtttggag tcctgggtga ttgcttggga tgccagcagc atttgagacc 60
aaacaggggt gtgaagatgg gtgggtcagc tcaccttgca gagtgtagca taaatgggca 120
cagccagaaa attgcttctt cctccaaagc tctctgattc aggaatttgg ggcntattgt 180
ggaacgttat nacattcttg tctctgngct tactnttccc gccattcatt acgaacnann 240
agtttnnaac gnngttctgn tntcaaagnc antgcatctn nttatcatac t 291

<210> 65
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 65
attgtgttga gatccaccgc tcacacgccg tacaccaccc agtggcttca ttctggctta 60
gccgcagagg caagaaaggg accccacttg ctcccatgcc cacctcaaga aaaaacataa 120
aacaattttt tttaaaaaag aaaagaaatc tacctcagtt gacaggattc naccttang 180
gtntcttnnt cttttnngtt ntngcngnct tntctnnttt tcttntnata ttctttnnnn 240
ttntntnntt tnntgcnntn nnncttgnnt tnntnnttnn ngcttcntcn tttttatttt 300

<210> 66
<211> 300
<212> DNA
<213> Homo sapiens

<400> 66
gccttttttct ccgacgacca ggagccctac cctgtgactg atatttcgga cctgatccgg 60
gattcctatg agaaatttgg agaccagtct gtggagcaga tcgagcacct acgttacaag 120
cacaggatca gggtcctcca aggccacgag gacaccacaa agcagaacgt gcttcgagtc 180
gttatcccgg aagtctcaat tcttcctgaa gacctagagg agctctacga cttattcaag 240
agagaacata tgatgagctg ttactgggag cagcccaggc ccatggcctc acgccacgac 300

<210> 67
<211> 300
<212> DNA
<213> Homo sapiens

<400> 67
atcatgctgc tagtgttccc gctactagtg ctccgttagt tttaaatcat gttccaactt 60
gaatttgagg tcttttgact ttcgttggct ttttgtcagg gaaaaaaacc tgttagggac 120
agggtttcac aattcctttt atatttccat tcacatgtat ttacaaacgt gtgcctggag 180
tagtaagtac acaataagtg agtttccagc tgtttttgtt tcggaaacaa aaaaaacaaa 240
acaaaacaaa acaaaaaaac aacggaaggt gaatggaatt gtgtttgtaa cattaaactg 300

<210> 68
<211> 300
<212> DNA
<213> Homo sapiens

<400> 68
ggcagacttc tcatccgtaa aatcaggaag ataacatgat tccaagggcg ttcatgagga 60
ttaaaggaag tcatgctcct aatttactgc ctggcacaca gacagtaaaa tgctcaatac 120
atttatggaa ggaatgaagg actctggcag aaaaacaggt cagatgtgtc tgctgtggac 180
aggtggctct gtcggtgccc ggtgagtgcc ctgggagtct ggcagtcacc tcctccgcag 240
ccgtgtcccc aggctcacag gagccacctc aggtgggaag ctctctgcca gccttggaag 300

<210> 69
<211> 255
<212> DNA
<213> Homo sapiens

<400> 69
gctgcagcaa aaccagagaa tttcctcaag tggcctgtag gctccttgtt atcttatgcc 60
cccacccctc cctcaacaat atgagtgatc cagaactggc ccaaacacct cagctctggt 120
ccctttttgc ccttcttggc cttactctgt tgttcaaagc cactttggat tgcttggatg 180
cttcgaacag ccatgaaaag tagcctgcct gtggcattta gaggccaagc aattgacaga 240

aagggtttct tctac 255

<210> 70
<211> 300
<212> DNA
<213> Homo sapiens

<400> 70
attgtgcacc tctaaccctc tctagcaacc ttattgatac cattcagtgc caatattctt 60
ccaaccaggt tgaggacttt tgatttgctg agaatgaaat tctgcatatc tttgcttgtc 120
actaatgcct gtctgctctc tgcctcacct tcttgtccat tggtatatgt ttggcactct 180
gagagtatac agcatcaatt cattcatatc tccaatactc tttcattaag tctcagttgc 240
ttgccagcac agacaaggta ctgcccaaag aagtccttgg aaaacaggca agatatatac 300

<210> 71
<211> 300
<212> DNA
<213> Homo sapiens

<400> 71
agatagtgaa ggacctagag gcttcccacc agcacagtag ccctaatgag caattgaaga 60
aaccagtaac cgtgtccaaa ggcacagcaa ctgagcctct catgctaatg tctgtgtttt 120
gccaaacaga gagttttcca gcagaaagaa cccatgggag caacatagcc aagatgacaa 180
acactgggct gcctggtcct gccactcctg cttactcata tgcaaaaacc aatggccatt 240
gtgacccaga gatacaaact accagggagc tgactgcagg caacaatgta gaaaaccaag 300

<210> 72
<211> 261
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(261)
<223> n = A,T,C or G

<400> 72
ggcaaaaggc atctgctgga gctggtgacc ccagcttggt gccccccaaa gccagagtac 60
gaggctgaga ggatgcaggt gtcctcctag gaggtttgag tcagaaggca cgaggcagaa 120
gcagtggggg aggactccct cagtagagcg aggaggaggc ccctcatcca agaggaggtt 180
ggagcacagg ggggtctagg tttgcagttt cnggaccggn agctnangng tcccanggcc 240
tttnttntgt ttnganaatt t 261

<210> 73
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 73
gtgcccccag ccagggtgag ccccttccc agaactgcct caccacccag cccttgtgtg 60
atcctcatgt ctcctgcccc aggaccacat cctgagcttg ggtgccgact tcaccttgat 120
ctccctcggc agcatcagga gaaagtggag cggntgttan aggtgtcang tgaannttnc 180
ttgngntttc ttgntncttn ncntattatt tttngttant atncntngnn tntttaantn 240

tnttttttant nttnnntntt tnttntttnt tctnntttat tgtntnntat tnnttttttt 300

<210> 74
<211> 300
<212> DNA
<213> Homo sapiens

<400> 74
agacgttgca gcaagtggac aagtggccgc tgtgcgggcc cctcgcttgt agtgagctgt 60
tgcagcttac ggtccgttcc ctggaggggg ggaggagtga gaggttgtgc agcatcaaag 120
gtgctgggac atcccagggt ggtgagatcc atccacgatc cagctccggt ggagaaaggg 180
cccatgtcaa gccttgttct gcaccccaag cattggtggt aggactgggt cctggctgat 240
cgtccttgtt cccagtgggg tacatgtgag cccctgccag ggccaagtcc ttctcccgaa 300

<210> 75
<211> 247
<212> DNA
<213> Homo sapiens

<400> 75
ccgtgcctcg ctttccctgt cccccgccct atggacaccc ctggctcagg ccagtgtgct 60
tgtcccagca tcgcgctcat ctcctgtttt tatttgatgt tacagatttc atttcattag 120
gaatgagtgt ttcctccccg acttttgcct gcattatttt gccagctcct ccctggaaaa 180
gggcaggggc ggacactttc ccagcctccc accgtgctct gttcctagtg gcacctgccc 240
cagggtc 247

<210> 76
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 76
tgcttggctt cggggctgac cgccggtccc ctttcttctc accacagtgc ccatttttca 60
tccagggaga acctcggggc tgggacacct cctggccctc accctgggtc atgtttacag 120
tcctcagtgc cccacaccgg tggccccctg aggacacctc caccctgacc ttgattttcc 180
caaacgctgc ctcttggtga cagactcagc ccaaaacccc ttccttctgt ctctggagac 240
ccttgagctt ggggaaatat ggaaggngtg tgtgtctgca atcaaggcct ctgcagctca 300

<210> 77
<211> 292
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(292)
<223> n = A,T,C or G

<400> 77
gcctgcataa ggtttgatta ctcaggagtt ggaagttcag atggtaactc agaggaaagc 60
acactgggga aatggagaaa agatgttctt tctataattg atgacttagc tgatgggcca 120
cagattcttg ttggatctag ccttggaggg tggcttatgc ttcatgctgc aattgcacga 180
ccagagaagg tcgtggctct tattggtgta gctacagctg cagatacctt agtgacaaag 240

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tttaatcagc ttcctgttga gctatnaang gaagtcatat gnnaggtgtg tg 292

<210> 78
<211> 277
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(277)
<223> n = A,T,C or G

<400> 78
gctttgcaaa ccacatacat tattatcact tacagtctgc agaactactg aattccaagc 60
tgcctcggtg gcaggagacc tgtgttgatg ccatcaaagt gccagagaaa atcatgaata 120
tgatcgaaga aataaagacc ccagcctcta cccccgtgtc tgnaactcct caggcttacc 180
catgatcgag agaagcnntg tggtttggnt ngaanncgac tcgnnntcat tgctnagggn 240
gngaggcgtt tcgnnnttag gcttaagnta ttgtggg 277

<210> 79
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 79
gccaaggctg tactgcggat gctcctgctg ctctggttca aggctggcct ccagacttca 60
ccccctatcg ttccactgga cagagagacc caggcacagc ccccggatgg tgaccacagc 120
cctggcaacc atgagcagtc ctacgtgggg aagcggtcaa accgggtggt gcgaaccctc 180
cagaacacgc cgtccctgca ctccaggcac tggggagctc cccagnancg ggagggacnn 240
cagcancagn atnncgannn gctnagtgcg ancnncaccc ncttggngct gcaggatacc 300

<210> 80
<211> 300
<212> DNA
<213> Homo sapiens

<400> 80
gagcgacgaa cttctgagac aggtgtgggt gcgagggtcg gtagggtcat gggattggga 60
ccgaggtgtg aggagggaat ctgcaattcc ttgctacaca gagcgctggc aacttctgac 120
aggctgtttc tggggtatgg gctgcctcgg gttgttgctg ttacaaggaa agaaaagagt 180
tcccctgccc accgcctccc agccactggg ctacctcctg gcaggaaatt tgcaaactga 240
gtttaacaag ttaggatcag cagagggtag aggagggccc tggcagatgt ggggtctaga 300

<210> 81
<211> 300
<212> DNA
<213> Homo sapiens

<400> 81
aattcggcgc ggtgagtggt gagactgcct tgggcgggtt accgggcatg actcttcgtg 60
acgattctga gacccccccct tccccccgaa ctcctccagc ccgcagagtt ctatctccag 120
gtggaccgct tcagcctgct gcccacggag cagccccggc tacgggtgcc tggttggtaa 180
gtgatgcctc cgcccaggag ccctgctctg tctgggtgag catagcccct ctgcagctgg 240

agggtagaac aaggaaggcc tgaggtagag ctgggaggga gcatgggtag ccttggatgg 300

<210> 82
<211> 300
<212> DNA
<213> Homo sapiens

<400> 82
ggaggatgtt ggcaagcagg tgtggcgggg cgccctgctc ctggcagact acatcctgtt 60
ccgacaggac ctcttccgag gatgtacagc gctggagctc ggggccggca cggggctcgc 120
tagcatcatc gcagccacca tggcacggac cgtttattgt acagatgtcg gtgcagatct 180
cttgtccatg tgccagcgaa acattgccct caacagccac ctggctgcca ctggaggtgg 240
tatagttagg gtcaaagaac tggactggct gaaggacgac ctctgcacag atcccaaggt 300

<210> 83
<211> 300
<212> DNA
<213> Homo sapiens

<400> 83
aggcgcggtg ccccagagtg gggtgcctgc actctcagct tccacaccct caccctaccc 60
ctacatcgga caccccaag tatgtagggt gggcagaagc cacagtcgcc gccgccaggg 120
gcttgctcct ggctctgtcc tttgcttccc tccgtcctcg ctcagttgtg atccagcagc 180
ccccctcccc actgcctccc cagctctcag tgaccccgac tgtctcctga cttagccgag 240
cccccgagac accttgagga ggccgctcct tcccagacac acccccacgc ccccactgga 300

<210> 84
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 84
gtgacttctg ctatccatgt tgaggttgca gaacttgaag ctaatttacc ttgtacatgt 60
aaagtgcatt ttcctgatcc aaacaagctt cattgttttc agctaacagt aaccccagat 120
gagggttact accanggtgg aatatttcnt tttgannctt ttnttcnnta nagtatncat 180
nttatncntn cnaatctnca ttnctganct anttanatnn cacttnaata cnttcncttg 240
anncntctct tnnnnnnntn nttctnntnn nnccttntan tanatcnntt tatatctctc 300

<210> 85
<211> 300
<212> DNA
<213> Homo sapiens

<400> 85
cgtagaggtt tgagaaatga cttgaagagt catgtgtgtt ggcacgttta tggccttctt 60
cagaggtcag acaagaagta tgatgaagcc attaagtgtt acagaaatgc actaaaatgg 120
gataaagaca atcttcaaat cttaagggac ctttccttac tacagattca aatgcgagat 180
cttgagggtt acagggaaac gaggtatcag ttacttcagc ttcgacctgc gcagagagca 240
tcatggattg gttatgctat tgcttaccat ttattagaag attatgaaat ggcagcaaag 300

<210> 86
<211> 300
<212> DNA

<213> Homo sapiens

<400> 86
ctacggtttc ccgtcaccaa ttttccttgg aattggacag atggcagcca ccataatgat 60
actatatgtg tccaagctaa acaaaatcat tcacttccct gattttgata agaaaattcc 120
tgtaaagctg tttcctctgc ctctcctcta cgttggaaac cacataagtg gattatcaag 180
cacaagtaaa ttaagcctac cgatgttcac cgtgctcagg aaattcacca ttccacttac 240
cttacttctg gaaaccatca tacttgggtg attttggttt tcctccattc ttccagtgtg 300

<210> 87
<211> 295
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(295)
<223> n = A,T,C or G

<400> 87
tggaggaagc agcagggaaa acctggcgct gcaaaatgtg caggctcgaa tacggatggt 60
cctcgcctat ctgtttgctc agttgagcct ctggtctcgg ggtgtccacg gtgggctcct 120
cgtgctggga tccgccaacg tggatgagag tctcctgggc tacctgacca agtacgactg 180
ctccagtgcg gacatcaacc ccataggcgg gatnancang acggacctca nggccttcgt 240
acagttctgc atccagcgct tccancttcc tgccctgctg agtttctgtt ggacc 295

<210> 88
<211> 300
<212> DNA
<213> Homo sapiens

<400> 88
atccaccgtc attccccaat accttagttg tagtcaacta actagatagg ctgccgaaga 60
tggtttaact gtgtccagct taactacagc caggctttgg aatgcctggc ctatgtctgt 120
aaatgaaatc taacaattta ttgtataacg ttgttaaaca tgaagcatga tgttggccct 180
ggataaaaca ttttaaattc tcgtcgttca taccagaggc tcagtaactg accggttgaa 240
agaaaactgt tcattgtaac ctaatgatgc tagttagata gcattagatt atgttagaga 300

<210> 89
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 89
gccttttgtt gtgaagttgc tcatcattta ggagtgttta attctaaaaa gccttcagcc 60
taagaaagct tcatctgtgg ggaccagaga cttgttgctc agggagttag tgatgggact 120
tgggcatctg atctgcaggt gacaagttta gttcaactga agttgtaggg aatttagaca 180
gttgcacatc attgccgttc taggggcctt gtagaaagat gaaacagttg tttttcattt 240
accagcacct ctcagttata naggtnatgg aacnttcnct tactttgnat catcattcct 300

<210> 90
<211> 300
<212> DNA

<213> Homo sapiens

<400> 90
acctttacct gcaacctggc tgagaatgtg tccagcaaag ttcgtcagct tgacctggcc 60
aagaaccgcc tctatcaggc cattcagaga gctgatgaca tcttggacct gaagttctgc 120
atggatggag ttcagactgc tttgaggagt gaagattatg agcaggctgc agcacatatt 180
catcgctact tgtgcctgga caagtcggtc attgagctca gccgacaggg caaagagggg 240
agcatgattg atgccaacct gaaattgctg caggaagctg agcaacgtct caaagccatt 300

<210> 91
<211> 300
<212> DNA
<213> Homo sapiens

<400> 91
ggatcctcca ggctgccggc tgggaaggcg tgggcgaccc ggtgtgtggc gcgcccagag 60
ccccgcgttt cagccctagg gaaggaagcc agttgaggga agttctccat gaatgtacgt 120
cacaatgatg atgaccgacc aaattcctct ggaactgcca ccattgctga acggagaggt 180
agccatgatg ccccacttgg tgaatggaga tgcagctcag caggttattc tcgttcaagt 240
taatccaggt gagactttca caataagagc agaggatgga acacttcagt gcattcaaga 300

<210> 92
<211> 300
<212> DNA
<213> Homo sapiens

<400> 92
ataagcagtg gctttcaaac cgtgtgctct aggactggct gggccttgga gaggcgtcag 60
tggcgccctg gggaaacagg gcaccagagc aatgggtgag gtccagcctg tcctgctcac 120
gtcagccagg gcacatccaa gtctgttgtc agttgactgt tgggttcctg gattagagtt 180
tgtgagggac gagggaggtt tttaaaccca cacaaacaca gcatttattt tactgcagat 240
actgtttgaa gtgctgtatt agttcgtttt cacgttgctg ataaagacat accagagcct 300

<210> 93
<211> 300
<212> DNA
<213> Homo sapiens

<400> 93
ccctttgaga tttctggctt tttgtaggga cctcagttcc attttcccaa ctcatgggtt 60
ctcaatacct taactatctt ttatttgtca aattccaagt cctcaactca cccaccacta 120
cctgacccac tgcagtcacc acaccaccct acccactttc ccagggatgc tttatgatta 180
gcttaaatac tcaccattct gatttgtaat gccgccccca ccccctttt ttgacacctg 240
ggagtttcct tttctttctt gtaagatcag cattacacaa acaagcacat ttttcttatt 300

<210> 94
<211> 300
<212> DNA
<213> Homo sapiens

<400> 94
gctgcatctg caatgaggat gccaccctac gctgcgctgg ctgcgatggg gacctcttct 60
gtgcccgctg cttccggtgg gtgcaggtgg aatgttctgt gcgagagctc aagggctgcc 120
tggatccctg acttgtatcc ctttgttcca cagagagggc catgatgcct ttgagcttaa 180
agagcaccag acatctgcct actctcctcc acgtgcaggc caagagcact gaagacaccc 240
tggtcctccc ggaagggcag tcccacaggc agcggcaccc atttctgggc cccgccacag 300

<210> 95

<211> 300
<212> DNA
<213> Homo sapiens

<400> 95
gtgaggaaag aaatagtcag taaattgatg cgatccctaa aaagggcagc attgcagcgc 60
ccaggcataa gacgtgtgat tgaagatccg gaagataaag aaagtagact aatcatgttg 120
gatccctata aaatatttac tcatgattcc tttgagaaag cagaactcag tgttttagag 180
cagcttaatg tcagtccaca gatctctaaa tacaatttgg aactaacata tgaacacttt 240
aagtcagaag aaatcttgag agctgtgctt cctgaaggtc aagatgtaac ttcagggttt 300

<210> 96
<211> 300
<212> DNA
<213> Homo sapiens

<400> 96
gcttagataa gtcaaatgca gtagacaatg gatagtcatc acagattttt gtacatggga 60
cttcacatac cttaattgaa tatccatcgt gtacaaaata ttgctcaagc aatgtaggaa 120
tcaagggaat aaaagcttat tctgatatta tagagcatat aacagccatg taaatatgca 180
tggtatagag aaatcagttc tatgatggat gtaccagcaa agttgcagag cattatatag 240
agttgctttt gatatgagcc ctagaataaa ttgggataga gagggagttg gggaatttga 300

<210> 97
<211> 286
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(286)
<223> n = A,T,C or G

<400> 97
ttttcttgga gacattccag attgccatat tactttattt taaacagcgc tatgacttta 60
aatccaaggc tgctcggaag attttttttag gtctctcata agcctattct tccctgatca 120
catgagtggg agaggtaagc ctnattttga angccctttc tgngnnnnna nannttcnnn 180
nccannnntn tnnngaagan tntttnngng tnnncanttg ccattnttcc ntgnnncnnn 240
nnngnnacag gggnncaant tnnnannccc ttttnggggt tcccaa 286

<210> 98
<211> 300
<212> DNA
<213> Homo sapiens

<400> 98
atctctcagg aaggctttga acaaatgaaa gcagcagcca tttcagcaag cgggggccac 60
acctaaggtt actcgagagt gaagattatc tcagaagttt agaatcatga cacttcgggg 120
aagataggat cagggatgaa tgggagacgg gggcttaagg gagagcttag aagtttagaa 180
tctaagagag aaagggtttg tttttgggga gagggattat gtatgatatt taatagcacc 240
tgcaaacttt aagatagctg gggggttctc agtaactaag gagggtcctg accctaaaag 300

<210> 99
<211> 287
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (1)...(287)
<223> n = A,T,C or G

<400> 99
ctgcattgtc cactggacgt tttagtcata ttcagacacc agttgtttcc tccactccca 60
gacttaccac atctgagaga aacctgacat gtgggcatac ctcagtgatc cttaatagaa 120
tggccccccgt gcttccaagt gtcctgaagc tgccagttag atctctaaca tactnnantg 180
caagataagn caagagantn accgagattt tgncnncgan annntactnn nnttganttt 240
gntgcnatnt antaactnct ggannnnnna ntntcnatnc atccccc 287

<210> 100
<211> 263
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(263)
<223> n = A,T,C or G

<400> 100
cttccttctc tataccttc tctatgtttt attgcataaa taggaaacat tgttgaaaag 60
actttcctgg taaactgttc tgaattttac gtttatcgaa atatctccaa agactcaatt 120
tagaacttta ttatgccctt atttattnaa catttnttng gaacnaacat gtatatngcc 180
cttangtngg cnnnngcnag nggtnanann ngngagntct naatgngngn nnaanngngc 240
ggnnggntcg gtnggnngna tgt 263

<210> 101
<211> 300
<212> DNA
<213> Homo sapiens

<400> 101
gtggccaagg gtggggccaa gactccacat agatccaggg gctcattcca tgatgctctc 60
atttcctaga gtcctccagg tgtacaggga attgtttcac tgacagacag gccaggatat 120
ctcataagct tcttgggcac aagttggagt ggtatgggtg gaattccagc acaattaggc 180
atatcgtggt tgggtgaaca caaccataca agggggagag gtctctacca gtggcctgtg 240
cagtcctgcc atgttctttc ctggtcaatg ttttaaatga taacttggaa tactactaaa 300

<210> 102
<211> 290
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(290)
<223> n = A,T,C or G

<400> 102
gtgcgtctag aggaaatgta ctgttttgca gataataagt attgatcaga catgcatttt 60
tacctctgct gtgggatttt agtctcatta ctttgttgat ctactttgta gttaacctag 120
agaagttaac acagccattg ctacagagct ttctgccact tgagttccag aattccagaa 180
tccagtttcc tagggattgt ggggagtaaa aagaggtata gggtatggtc cctgtatggg 240
agcaatacng nctttattga ntagtgtcta tattgtcttg tgactcaggt 290

<210> 103

<211> 293
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(293)
<223> n = A,T,C or G

<400> 103
atttttgac aggattttat tttgtgtgca tgcattctgc tccaagtgtc acaattctgg 60
ttacaataat tataatattt ggagttacta ctaagacttt cctgaaagag gtgtattgta 120
ccaaattttg taacatatnn tnntactaan tgatcntana gcttnctana ttntgnatan 180
ggnatgtgnt ancancncnn nncnttnaac nggntttnnn ngtcggntnt gntttctnnt 240
ngntggtgnc cnatnnnnnn tnntttntnn gttcnttttn gnnctnttgt ttc 293

<210> 104
<211> 299
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(299)
<223> n = A,T,C or G

<400> 104
ggctgcccca gcgttagcag cctgtaccag gtctatgacc cgctctgccc acggctgtgt 60
acgacatcag accaggcact ctcagggccg ctctccagct caccacagtg tctccacgtg 120
ccttacccct tctccttcag gccaagtttc gcggngtgct naattaatac gagcacnagc 180
aanaaattgg acnggcangn aagnntntnn agacacctaa gataaagtcc ggancccaag 240
gctttanctt aaccatgtat ggtaccccat tcattcatcn agaaaaccct caacagctg 299

<210> 105
<211> 300
<212> DNA
<213> Homo sapiens

<400> 105
cccgcctcgg cctccaaaag tgctgggatt acaggcgtga gccactgtgc ccggccttca 60
attttattta ataattatgc atgtgtggga tgcaatgtga tattttgata cgtgtataca 120
atgtgtaatg atcaaattag ggtacttagc atacctgtca cctcaagaat gtttttcata 180
atattttatt tgtaagataa gcattcttcc catgtgcaca acattgctgg gtattgttaa 240
gagatcatga aaacacacaa tccttattga gaaggtggcc aggtgtggtg gctcatgcct 300

<210> 106
<211> 300
<212> DNA
<213> Homo sapiens

<400> 106
gactcttttt tcctttgtat tttctttctc agtctgatct gcttcctgac ttcctggaaa 60
ccctccaaat ttcttgattt ctaatggcac tctttctaga tttctagccc tgtacgataa 120
tattctttca tcatttcagt gggcttttgg agggaggcgg agatccaggt gatctgtcta 180
cactattcag tcagaaagct ggatggtttt tctcactgtt tagctgtgac tcatacttag 240
aaagtggttt aaatgtgaat atcttagttc tggttgtaca attgaggtaa tcctcaattc 300

<210> 107

<211> 289
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(289)
<223> n = A,T,C or G

<400> 107
tagaggttgg aaaggagtca tgaggggtgg gaaactagca ggggcacatg gaagctaggg 60
aaagaatttt gcttgagatc gtcaaagtga ggggaagagg gtagtaagca aaggagaaat 120
gttatatggg gttcggaggt tttagntcta ntntnnccct nttnatctgt tctttntntn 180
gtnngctctn tnttnctgcg nnagcntnct tctctntnct nnatnnttat ntnngtcctc 240
gtntgtncnt cncnncnttc nctntcttct ttntctnnnc tntccctat 289

<210> 108
<211> 295
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(295)
<223> n = A,T,C or G

<400> 108
ggtagaagga gcctcctcaa aggcagtgct gggcacccac gggtgtgctg gatactggag 60
tttgagagga gggaggtgct gtggccttgg atactctaaa anagtngtaa ntntcactnn 120
tttgtgncta tannntnntn gtacttctgc tcaacnnnnc ttantttact gagnntattn 180
nnncngnact ttnatnntan tnattntccn tttatncctt tactntnnca cnttntgctn 240
ctttattgat anctggtctn atnactttct nccntcattg ttnttcttac ttttc 295

<210> 109
<211> 300
<212> DNA
<213> Homo sapiens

<400> 109
gtcccaggaa attcctcccc ttattcttcc ttgaagtgcc cgagcatgta gggcaagaag 60
gaaggctgaa gcgctgtccc taggaggaat ttctccttca ggggagcctc agttttgccc 120
atttatctaa ttgaatcagt tttttaccca atcccccgat tttgtaggat aatctccctt 180
atctaaagtc aactgattat ggactttaat cacatctaca aaacacttcc atggcgacag 240
ctagatgagt gtttgaataa ctgggactgt agcccgtcca agttgacaca taaaactgac 300

<210> 110
<211> 286
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(286)
<223> n = A,T,C or G

<400> 110
tgtttttacc taaatgggcc cacgtggcag catgattttt gtcctttagc gccctgcttt 60
ggggacctct ctgtgctgtg ccgtatagct tcaattcatt cttccaaccc ggtgcctttt 120

ggtctataat ggagatggtg cagntnattn cttngcactt gtcacaacgn nncnnctaan 180
ncncnctggg aatnnnnancc cnctaatacc tttanacatt taanaaatnc atatttncgc 240
atgncnaaac gancnnnana cncnatgnaa atctcgcaat atcata 286

<210> 111
<211> 269
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(269)
<223> n = A,T,C or G

<400> 111
gggcaaccct ggctctatca ttttcctttt ttgccaaaag gaccagtagc ataggtgagc 60
cctgagcact aaaaggaggg gtccctgaag ctttcccact atagtgtgga gttctgtccc 120
tgaggtgggt acagcagcct tggtnnctct gggggttgnn annannaacc atggnnncgt 180
gannactnnn tccagatggn ttnnannnnn ngncntcttc nttccnnatn ctnntnntng 240
nnttnagnct gtangntctt nctnnntcg 269

<210> 112
<211> 300
<212> DNA
<213> Homo sapiens

<400> 112
cccaaactta atgaagaact actcagcaag caaaaacaac ttgagaagat tgaatctgga 60
gagatgggtt tgaacaaagt ctggataaac atcacagaaa tgaataagca gatttctctg 120
ttgacttctg cagtgaacca cctcaaagcc aatgttaagt cagctgcaga cttgattagc 180
ctgcctacca ctgtagaggg acttcagaag agtgtagctt ccattggcaa tactttaaac 240
agcgccatct tgctgtggaa gcactacaga aaactgtgga tgaacacaag aaaacgatgg 300

<210> 113
<211> 300
<212> DNA
<213> Homo sapiens

<400> 113
gaactgtccc ccgttatctc tgtccataca gcaacagccc ccaatggccc tgaccacctc 60
cctccccagc agaacgcccc ttcgtgggtg tgaaaatact ttctattctg gtcagcacca 120
agaatgcctt tttcccttct gcaggtcctc cagtgattcc ccttaagaat gccccttca 180
aagccacccc cccatcgcag cggcacagct ccctctagag ttccttcaca ctcacatcct 240
ctcccgcctc aggtagaaat atccgcctgc ttagctccag gctcccatga catactcccg 300

<210> 114
<211> 300
<212> DNA
<213> Homo sapiens

<400> 114
cctaggcccc ctggacctgg tctttcagac acatttagcc gtgtttcccc atctgctgcc 60
cgtgatccct atgatcagtc tccaatgact ccaagatctc agtctgactc ttttggaaca 120
agtcaaactg cccatgatgt tgctgatcag ccaaggcctg gatcagaggg gagcttctgt 180
gcatcttcaa actctccaat gcactcccaa ggccagcagt tctctggtgt ctcccaactt 240
cctggacctg tgccaacttc aggagtaact gatacacaga atactgtaaa tatggcccaa 300

<210> 115

<211> 295
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(295)
<223> n = A,T,C or G

<400> 115
gctccagaca gctcttctgt catttcacca ggtccaaaca ccagcaccaa ggctcccatg 60
aaatatcccc tttattccat ctcaaatcct tacctatcaa ctccttgccc agagaacctg 120
gaataacata tttacttcta gtccttttca atgcattttc cccttggggg aggtgtggga 180
gggttgtgag tgagtacntg aaagannatc ntacngatng accatntttg anggtnnctc 240
anagggataa atanatatag ntaaccgatg nnnnnncnnc nggagaaacc atgat 295

<210> 116
<211> 269
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(269)
<223> n = A,T,C or G

<400> 116
ccccccgcgt ctcccgggag cgtcgccgcc acctgcacgc gtctggcaca caaacgtcgg 60
tctcacccct tagtttctgg aagagaaaaa ggaaaagcca ccgagaggcc tgaccctgag 120
gggtcggtng gagatgcggn cncgtattat agggaagcga ttgatgagcg ttgactgttc 180
atcatntnaa ntgtatgntn tnatttttntt tttttnttat tatttctttt tttatttttt 240
tnttttttnt ttatatnnnt tttaattta 269

<210> 117
<211> 266
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(266)
<223> n = A,T,C or G

<400> 117
gtttaccctt ggtttattgt gattatcatg gccattcccg aaagaagaat gtatttatgt 60
atggttgcag catcaaagag acagtgtggc ataccaatga taatgcaact tcatgtgatg 120
ttgtggagga taccggatac aggacattgc ctaagatact gagccatatc gccccaccat 180
tttgcatgag cagctgtagc ttcgtantgn aaaaatcttt gactcnncgn tctgtnttnc 240
tcanntatag gacccacttg aacaaa 266

<210> 118
<211> 300
<212> DNA
<213> Homo sapiens

<400> 118
accatcttca ctctctggga agaaataagg tgggttacca tttacatccc agtgataagg 60
gccagtttga tcattccaaa gatggttggt taggccccgg ccctatgcca gctgtacaca 120

aagcggcaaa tggacactca agaaccaaga tgatatcaac ctccatcaag acagctcgga 180
aaagtaaaag ggcatcaggg ctgaggataa atgattatga taaccagtgt gatgttgttt 240
atatcagtca accagtatta aaggcctgcc tgatatacaa ccctcgaatg caacacagtg 300

<210> 119
<211> 283
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(283)
<223> n = A,T,C or G

<400> 119
cctccatgaa ggatattttt ggagtcgtag gagttacatc tgctaacatg cttattttca 60
ttcttccttc atctctttat ttaaaaatca cagaccagga tggagataaa ggaactcaaa 120
gaatttgggc tgccctttc ttgggcctgg gggtgttgtn ntctngtnnn tnantntntt 180
ggggnttnag nnctaannna gntcnnnggn ctnttttnag agatangggn ntctttgctt 240
ctngnngntc ccnttttttn ttgnncncna gnngtgttgt ttt 283

<210> 120
<211> 300
<212> DNA
<213> Homo sapiens

<400> 120
ttcagtacca ggggccggcc gtggctccca tcctccggaa tctgcaaaat ggctacttct 60
tcagaaataa tggggagagg gatggcaaga ggccagagat caaggccctc gagtattaac 120
ttgagcattt gggcacaaaa tagacacttt tggattttcc cgtcttttcc aacaccaagg 180
atgagattat caaaagatgt gttaaattaa tttgtaccgg ccgggcgcgg tggcttacgc 240
ctgtaatccc aacactttgg gaggccgagg cgggccgaat cacaaggtca tgagttcgaa 300

<210> 121
<211> 300
<212> DNA
<213> Homo sapiens

<400> 121
cacattattc cttttccatc ggaagtggcg ctcgtgcatt caactcgttc ccgctcatgg 60
aacccctctt taaaaagacg cagggcacct gtgagcgcag gagcgagcct aaggcctccc 120
agcggcagcg cccgtgtcct gggcactcag cgtgctgggc agagcaggtg cgatggcccc 180
agtcctagca gccctcgccc atgtcctgtg cccttacatg gctcccggac tgtgcaggga 240
gccgatacgt ttgctgatag caatactgga accaccgggt gcgatggcag tgaggagact 300

<210> 122
<211> 299
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(299)
<223> n = A,T,C or G

<400> 122
aataaaccca agggcaagcc tttgaatggg tccacagctt ggtacaagtt cccatgctat 60
gtgcagaacg aggtgcccca tgcagaagcc tggattaatg ggaccaacct agctgggcag 120

tcttttgtgg ctgagcagtt gcagattgaa tatagctatc cttttacttt tccacctggg 180
ttgtttgcac gctacagtgt ccagatcaac agccatgtgg tgcacaggtc ggatggaaaa 240
tttcagatnc ttncctatan aggnaaagnn gctgtggtnt ggnagnatan atgacctag 299

<210> 123
<211> 293
<212> DNA
<213> Homo sapiens

<400> 123
ggccagccag ctgctcacac tggacaccac ctctatcccc ctgcgcctct gccctgtcgc 60
ctcctgcccg gacgcccgcc tgctggccgg ctgcgagggc ggctgctgct gctgggacgt 120
gcggctggac cagccccaaa agaggagggt gtgtgaagtg gaattcatct tctctgaggg 180
ctccgaggca tctggacgga gagtggatgg gctggcattt gtgaatgagg acatcgtggc 240
ctccaagggg agcggcctgg tcaccatctg cctgtggagc tggaggcaga cgt 293

<210> 124
<211> 208
<212> DNA
<213> Homo sapiens

<400> 124
aggccagtgt gggacagggt tgtgtaggtg tgcatttcaa acacatttat tattcagaag 60
tggtgcagat aacgcttaga ttacaccgaa gaatttaggg agggtggggg atgaaggtct 120
gttagtaacc agaaacacat tagttgggca tcagtaaggg gcaacataaa ggaatggttc 180
ccctcaaaaa cgaacaaacc aaatttta 208

<210> 125
<211> 300
<212> DNA
<213> Homo sapiens

<400> 125
gtgaactctg cacagtcctt gtatattcat tggaaaacag cagtgctctg gaatagttat 60
tttttgaaat gccctgagca gttaggaaag tgatgaaggg tgaagtgcgg agagggaaga 120
ggtggggcct gatgcagttt gctggggttg caaccacaca ctccctgtaa ggcctgaagc 180
agccagttgc atgtttctag ttggaaggca gatagagctg tggaggtggt ggcatgatta 240
ggtctggctg ggaataaggt tgcttggcag tgtattattt attcgctaac tttggtggcc 300

<210> 126
<211> 300
<212> DNA
<213> Homo sapiens

<400> 126
gtttatgggt ttacattgtc atgtctccac aggacaatgc acatggtatg tttgtcagaa 60
cccagttgga gttttgtttc ccagcatcca aaggaaatcc ctaactttca ttttttcttc 120
ccgtaagcag ccccgaacac ttacttataa gccatctcta cctgaattag caatcatgga 180
taagctcaat aactgatcat ttccttatca gtttaaacca tatatatttt aacactgtct 240
ctttttcaca cacactagtt agctaagaat gagctggggg gctgggcgtg gtagttcacg 300

<210> 127
<211> 300
<212> DNA
<213> Homo sapiens

<400> 127
gtaaggtaga aaaattcctc acatgggtta ataaaccaat ggatgaagaa gcatcacagg 60

09/24/2003 - 05:26 PM

aatcatcttc tcatgacaat gtgcacgacg cttccacaag tagcgattca gaggaacaag 120
acatgtctgt taaaaaaggt gatgacctac tggagactaa taatccagaa cctgaaaagt 180
gtcagagcgt atcttcagct ggtgaacttg aaacagaaaa ctatgaaaga gacagcttgc 240
tagcaactgt tccagatgag caggattgtg ttactcaaga agtgccagac tcccgccagg 300

<210> 128
<211> 300
<212> DNA
<213> Homo sapiens

<400> 128
gtgtggagtg tcccaagcac agcaggcagt cagggtggcc aatacaaggt gctggcagtg 60
aagtgggggc agactgagcc tgtgtagtga agtgtcttga ggaacgtcag ctgtatcttt 120
taggaaacca aaactgcata gacattgaac ccaggcagaa ggtcatgaag tcagagctaa 180
gaaatgctag tggggatagg gggtgagata gagttgggaa atgtttcaga gctacaggtg 240
acagttgttg gtgtccagtt ggatatgtac catgaaggga agaagcagtc agagtgggca 300

<210> 129
<211> 300
<212> DNA
<213> Homo sapiens

<400> 129
atccctcttt gcagaaaagg ttatagaatg ctgttcttta taaccaaaga acttacataa 60
gacaacattt ttgctgtcca ctcttttgtg tgaacatgta tgtttgactg caagtttggt 120
gccataattc ccttggctac caagccacgt gctgccattc tctgtccttt gtttcataag 180
cacactgaga aatctcacag ctatattctt tggtcttcca cctgcccctc cacctgctga 240
cttgacattg tattataact gttgacaatg actggggtcc tgactccaca gttgcctgga 300

<210> 130
<211> 300
<212> DNA
<213> Homo sapiens

<400> 130
ttcgtcacgg gtaattatgt gctggatcga gatgacctgg tggaggccca aacacctgag 60
tatgatgtgg tgctctgccc caaccctggt cgtcgtatgg caagagaaag actcttacag 120
aaacgatcta caagaactac taccgaatcc aattgaagcc agagcagttc agttcctacc 180
tgacatcccc agacgtgggc ttctccagct atgagcttgt ggccacaccc cacaacacct 240
ctaaaggctt ccagcgtcct gtgtacctgt tccacaaggc ccgatccccc agccactaag 300

<210> 131
<211> 300
<212> DNA
<213> Homo sapiens

<400> 131
ggtggaggga ggcagccggc atggcatggt gaggaagggc catggaagag gacagaacct 60
gtccacggag tcaatgctga ggaaggaaga cggaggatga ggccagtcag gtttttcgtg 120
gtggcagtgc cttatgtttt tatcgaagtg tatattcaca cagaaaagca catctcccag 180
gatcctgaga gagcttgaac cagaccactg tggacacggt ggccacccgt caccactacc 240
cttcccaagg ggagacgagg agcaagtagg cttgagggaa aagctgcaca ggactcgtgt 300

<210> 132
<211> 300
<212> DNA
<213> Homo sapiens

<400> 132
atttgaggat ctcgaccttg tccttccagc aggtgctccc aagccacctc tgggcctgag 60
aataggcatc acatgactct gtttaatcct ccgacacagc aaggatgccg ggaagcaggg 120
caaagtggtt caagttatcc ggcagcgaaa ctgggtggtc gtgggagggc tgaacacaca 180
ttaccgctac attggcaaga ccatggatta ccggggaacc atgatcccta gtgaagcccc 240
cttgctccac cgccaggtca aacttgtgga tcctatggac aggaaaccca ctgagatcga 300

<210> 133
<211> 300
<212> DNA
<213> Homo sapiens

<400> 133
cccgctgagt ggcagtggca ggaagtcggt ggaagcagat ccctgtgcag aagttgaatt 60
accagggcgg ccacacacgg gctgcacaac ctttgcagtc gtgcacggca agtgggatgt 120
ggcctccgcc catgattggg cacctggtca ggctgggaga tccaaatagc acccagtggg 180
cagctgtccg acccctggag gggcaagcca ggaaagaaac ttagggcccg ctgtgaccag 240
atgtcccttc cagttgggaa gactaaactg gtttggccaa tatctcccag gattcccctg 300

<210> 134
<211> 300
<212> DNA
<213> Homo sapiens

<400> 134
ggtacctggt gcctctgact gcgcctctgc ctttgccgcc tggctcctgg tggttcaagt 60
tccagaaagg tccgagggct gtaaggtcct tagagaacct agaggctcct cctaggaacc 120
tttaaaaatg ataccctgcc ctgcgttgga gcctgtgaat ttctttgcat gtgaggggcc 180
agctgtcagg tggtcggctg agccagggca gacccaggag cccagcacgc catcgcggag 240
gcctttctga tggcacagtg ctagccgttc ctcctgcttc tccgcccact tggccatgtc 300

<210> 135
<211> 282
<212> DNA
<213> Homo sapiens

<400> 135
aaaaagcctg ccttctgctc cccagggttg cttttcccag gaggtgtgag cctacctgga 60
ggaggcttag gcacagggat acctgctgga ggtctgagcg ttggttgagc acctcctgtt 120
tgtaggatcc tgtgccagag cctgtgggga ggtggagaga ggctaggaga catagccccc 180
acccctgagg gatgagacag ctccctgcag gcaggctgtg cccagtcatc tcaagcctac 240
agctgggctg ctggctgcat ggtctggagg gcggtgggga gg 282

<210> 136
<211> 260
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(260)
<223> n = A,T,C or G

<400> 136
agatacattg aactcttcag gagcacagca gctgaagttc agcaggtgct gaatcgattc 60
tcctcggccc ctctcattcc acttccaacc cctcccatta ttccaggtac tacctcagca 120
atttggtggc ccctacaaat ggttaaaact ggattacgcc cttcaaggct ttccttatgn 180
agccccantt gaggacatcc tggatttcct gggggagtnn ncncagatat tcgnctcatg 240

EP 1 359 216 A2

gggnnccctg nnnnnnnntc 260

<210> 137
<211> 300
<212> DNA
<213> Homo sapiens

<400> 137
ctggtgtcca tcagcacctc cgtgatcctc atgcagcacc tgctgcctgc cagctactgt 60
gacctgctgc acaaggccgc cgcccatctg ggctgttggc agaaggtgga cccagcgctg 120
tgctccaacg tgctgcagca cccgtggact gaagaatgca tgtggccgca gggcgtgctg 180
gtgaagcaca gcaagaacgt ctacaaagcc gtaggccact acaacgtggc tatcccctct 240
gacgtctccc acttccgctt ccatttcttt ttcagcaaac ccctgcggat cctcaacatc 300

<210> 138
<211> 300
<212> DNA
<213> Homo sapiens

<400> 138
gacggcagtg gggaagttgg cacaacctta caaggccaca ctcgtgtcat cagcgacttg 60
gactgggcgg tgtttgagcc tgacctcctg gttaccagct ctgtggacac ctacatctac 120
attctgtgaa gttctgggat taccgccagc ctcggaaata cctcaatatt cttccttgcc 180
aggtgcctgt ctggaaggcc agatacacac ctttcagcaa tggattggtg actgtgatgg 240
ttccccagct gcggagggaa aacagccttc tcctgtggaa tgtctttgac ttgaacaccc 300

<210> 139
<211> 300
<212> DNA
<213> Homo sapiens

<400> 139
gatgcacggg cactttggag gaccgagcgg ccactctgag taagatcatc caggtggcgg 60
tggaactgaa ggattccatg ggggacctct attccttctc agctctcatg aaagccctgg 120
aaatgccaca gatcacaagg ttagaaaaga cgtggactgc tctgcggcac cagtacaccc 180
aaactgccat tctctatgag aaacagctga agcccttcag caaactcctg catgaaggca 240
gagagtccac atgtgttccc ccaaacaatg tatcagtccc actgctgatg ccgcttgtga 300

<210> 140
<211> 300
<212> DNA
<213> Homo sapiens

<400> 140
tgtaggcaca agattttctt gctagcggaa tgtgaaccaa aaagtgtaga ggccaatcag 60
taaaaatatt caaagccagt tttgttgttt tcagcagtta gtaactatca gtagatgaat 120
atttactagg aaacattggt cttttaacca ctttgggcat gcttcttatt tagtatgttc 180
atcatgattt agtatcatga cattcagcga acatttattg agtgcctact gtgcactagg 240
gactagtaag catgttaagt ttgtaagctt tgttgatttc caccacaaac ccataggacc 300

<210> 141
<211> 234
<212> DNA
<213> Homo sapiens

<400> 141
ccagatccta aagctgtgtc cttaatgaca gcaaagttaa gcacttcctt tgtcctagag 60
acatttattc attctaaaga aaagcccacg atgcttcagt ggattgaact gttgacgaaa 120

cagtttaata atagtcaggc agcttgtgag tggtttttag atcgtatggc tgatgacgac 180
tggtggccaa tgcagatact aattaagtgc cctaatcaaa ttgtgagaca gatg 234

<210> 142
<211> 300
<212> DNA
<213> Homo sapiens

<400> 142
ggaatatcta agcagacata aatagtaaca tcagggcact tcagaatctt catccgattt 60
atatcttcat aggtccatgt ttctattttc aaatgtcctt tatttcaaag cagcatgtca 120
ctaaaaaaaa gaaatgggca atcatcattc ctcaaaagat acgtgcattt ggttgggcaa 180
aatcatccag gctaccagtt ggataataaa agtcgaaatg tactatttga ttttttccta 240
tgtttccaag caagtatttc tcaccagaca ctgcccccat catatcccct ttcctcttct 300

<210> 143
<211> 300
<212> DNA
<213> Homo sapiens

<400> 143
aataccttta aatccctggg cagcaccgca gggacagata ttaccgtcaa cagtgtgatt 60
ctacttccta aaaaccctga gcactttgtg gtgtgcaaca gatcaaacac ggtggtcatc 120
atgaacatgc aggggcagat tgtcagaagc ttcagttctg gtaaaagaga aggtggggac 180
tttgtttgct gtgccctctc tccccgtggt gaatggatct actgtgtagg ggaggacttt 240
gtgctctact gtttcagtac agtcactggc aaactggaga gaactttgac agtgcacgag 300

<210> 144
<211> 300
<212> DNA
<213> Homo sapiens

<400> 144
ccaaaaggca taaagataag tgagggatgg agttctggaa gttgtgtatt cacgtaagat 60
ttactttcag gtattggcaa aaatcacagc tggagtgcag attaagcatg gtaggagggt 120
ggtgattgga gaaggaatgg aggggaaaaa ggaaaaacta caaatcatgt taaaactgtc 180
ctcattgagt tttacaagta atatactggt cttatatacc ctttcctcct accgtgggaa 240
aatatcacta acttgtaata ggattaaatg aggcaatacg taagcttttt agacatttc 300

<210> 145
<211> 300
<212> DNA
<213> Homo sapiens

<400> 145
gagaaaactg aaatcagatc atacagatgt tctgtactat aatataaaaa gaagacaagg 60
actgaaaaga ttgagtgtag aaattgacac tctcagaagg agaccaaaaa tcggttcttc 120
atcccaaaga cctattaaac tcaaagaagc atcatattca aatgataatc aaattatttt 180
gcagagtcct tcttcaaatg gaactaaaaa agacatacat aaatgtgtag actttaaacc 240
taaagatatc aaattgacaa atgctgggag caagcttgac catggaatta aaagccttag 300

<210> 146
<211> 299
<212> DNA
<213> Homo sapiens

<400> 146
gcacgccccc ttttctccgc cacttcacca gtttctgaaa tccaacctcc cagacttcac 60

09/15/2005 15:50 FAX

aggaagatag atattcttga gataatgaaa agtgatatct tcgcatacca taggagaaaa 120
ggctgaggta tatatgattt ttaactgtat taggggtgta tgaaccagtt taaaaacgag 180
gttttattta ctgtagagat gaatgcaaat cagaaccaat gatcccttgg cctacttagt 240
taaaaccagt tcatacatcc cttagggttt ttattattat tattattatt attacagtt 299

<210> 147
<211> 300
<212> DNA
<213> Homo sapiens

<400> 147
gcacccagcc ggcttcatct cttcttgaaa tcacttttat accattctat gtggttctca 60
ccatgagctt gagtggtggg ctaaagtgcc tctccctgct ttcagcttcc tgctgggaac 120
tcactctctc aagttccttc cagcaccacc ccatagagtt cccatcactc cacactgtcc 180
agtgacaact cccaacatgg aagatctgct agttctacag ggtgctctct ggctgcccca 240
gtaacatgtg tttttaaatt tttcacatgc atgtttgacc ccgactcccc gaagtcaggt 300

<210> 148
<211> 300
<212> DNA
<213> Homo sapiens

<400> 148
ccggctaatt ttttgtattt ttagtagaga tggggtttca ccatgttacc caggatggtc 60
tcaatatcct gagttcatga tccacccacc ttggcctccc aaagtgctgg gattacaggc 120
gtgagccacc acacccagcc agttttccta ttttctgaat tcagaattga cttctctggg 180
aaaactggag atgagaatct gcccagtgct ctgctgtcca gtcaccgcct tttgaatttt 240
agttttggca ccaggagtac cgttagcttt ccccttcttc tggcccattt gcgtcatttc 300

<210> 149
<211> 296
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(296)
<223> n = A,T,C or G

<400> 149
ctcgcagctg tcagagttgg tcctggctgt ggcgtccaaa cagcttgagg gaaaaagatt 60
ctggctaacc acctcatcta ctactcaagt tctttctgaa ggagggattt cttcagttaa 120
ccatggacag tgaggtttct caccacagta acttgagtcc aggttgaggg ggagacagat 180
ctgtggtaaa tctntgantn gnncatcnta ntgantgnng aaccnctcag gactcnttat 240
gnaanganct tgtgtgtnaa agaaccnntg gagcngatct ggagacctat atgtgt 296

<210> 150
<211> 141
<212> DNA
<213> Homo sapiens

<400> 150
ggaaggacta cggatccgca ggaagaggca gttgggggcc aggggcccag tagaggaggc 60
tgagctcctt ccaactcctc agaacctcca ctctatggat ctggacctct ggattcggct 120
ttctccctgg gcactgcctt c 141

<210> 151
<211> 300

<212> DNA
<213> Homo sapiens

<400> 151
ccgagatggt gacactgcac tccagcctgg ctgatagagc gagactccat ctataaaaag 60
taaaaaagaa agtcttcagt gaaaggagat tcgccctatc agctatgaaa gcacagaggg 120
gaggaacatg gagtaggggc tgcctgcagt cagatcctgc cctcacaacc ttgccaggga 180
aacaggctcg tgggtacaaa ggttgtgtgc ctcaacttcc tcatggaagc acgtgagatt 240
attttataac catagagtgg agacagtcag tatgaccacc aaacccagga gccatatatt 300

<210> 152
<211> 300
<212> DNA
<213> Homo sapiens

<400> 152
gtggttgtgc cttttcccag ctcgaacccc tcaggcttct gcctggtgtg aagttcagat 60
tcctcaggct gagctgctct tgcctcagtt tcccagcctg accaaaggaa gcaggtgggg 120
cctctgggat aaagagcgtg tgctggccct tccctgtgtg ccccgcagac acacactcca 180
ccccactccc catgccccag ggcccaccag gctgacttct ccgctgcttc tgacgggctc 240
ccttgccctc tgggttccag tcagccagca ggaggcacca gcaggaatcg gagggtgaga 300

<210> 153
<211> 257
<212> DNA
<213> Homo sapiens

<400> 153
cccctgttta cagcaataag cacgtcctcc tcccccactc ccacttccag gattgtggtt 60
tggattgaaa ccaagtttac aagtagacac ccctgggggg gcgggcagtg gacaaggatg 120
gcaaggggtg ggcattgggg tgccaggcag gcatgtacag actctatatc tctatatata 180
atgtacagac agacagagtc ccttccctct ttaacccccc gacctttctt gacttcccct 240
ttagctttag acccctt 257

<210> 154
<211> 300
<212> DNA
<213> Homo sapiens

<400> 154
gttatcccgg aagtctcaat tcttcctgaa gacctagagg agctctacga cttattcaag 60
agagaacata tgatgagctg ttactgggag cagcccaggc ccatggcctc acgccacgac 120
cccagccggc cctatgctga gcagtaccgc atagacgccc ggcagtttgc acacctgttt 180
cagctagtct cgccctggac ctgcggggcc cacacggaga tcctcgccga aaggacgttc 240
aggctcttgg atgacaacat ggaccagctc atcgagttca aagcgtttgt gagctgcctc 300

<210> 155
<211> 300
<212> DNA
<213> Homo sapiens

<400> 155
aaagaaagca gcagagaaaa aagggagtgg tctcgtagcc caagaagacg caaatccaga 60
tctccttccc ctagaagacg atcttccccc gtcaggagag agagaaagcg cagtcattct 120
cgatctcccc gtcacagaac caagagccgg agtccttccc ctgctccaga aaagaaggaa 180
aaaaactcca gagctcccag aaccttcagt gaaagtaaaa gaaccttcag tacaagaggc 240
tacttctact agtgacattc tgaaagttcc caaacctgaa cctataccag agcctaaaga 300

<210> 156
<211> 274
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(274)
<223> n = A,T,C or G

<400> 156
catcacggtt ttacccagtg gtgaaagaag gacggacact ggatgccaag atgcctcgaa 60
aaagaaagac aagacacagt tcaaacccac ccttggagag ccatgtgggc tgggtgatgg 120
attcccgtga gcacaggccc agtactgctt ccatnatctc nannctntta tatggnatgc 180
ttactttnnn aannattnnn tngttntntt tngnatagct cttnggcttn nttntggnat 240
tgctntnntt tnntnggttt tgttntgttt tttt 274

<210> 157
<211> 300
<212> DNA
<213> Homo sapiens

<400> 157
gcagatttgg ttccatacct cttaaaatta ctcgaaggca ttggccttga aaacctggac 60
agcccagcag ccactaaggc tcagattgtt aaagctctca aggcaatgac tcgaagtttg 120
cagtatggag aacaggtgaa tgaaatcctg tgccgttctt cagtctggag tgccttcaaa 180
gatcagaaac atgatttgtt catttctgag tcacaaacag caggatacct cacaggacct 240
ggagttgctg gctaccttac cgcaggtaca tctacatcag tcatgtctaa cctgccacct 300

<210> 158
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 158
cctacccatg tgttcccgaa ggctgggcac tgagctccca cacccagcat acagctcatt 60
actcacacac cctctgccgt ctacagagta attagtagag gaacacgccc ttttctctgg 120
agatttccgc cccagtcgta ccaactcttt aacaaggaac aaaagtcaac aacttcaagt 180
ttcctgtgag gatgaaatcc agagtttcta atgactaatc tccatcgtca aaagaaaagg 240
caaacctcag ccccttcaga cagctaatgc caggagaagt tcatgantat tnnaagaaag 300

<210> 159
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 159
ccgactagta acatatatca tagcttccaa agtatttgtt tacagaatac cacagtgact 60

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aattaccaga acttttctta ttctctctga gcaaaggaac ctcatgggag aaaaaaaata 120
taggtcattt ttaatgtaag ggagttgcta ggattggagg ttaagacagc tatttacact 180
tcatgnangg antnnctgan gacctcacaa ngngttntct aggnatagag aaaggtgcaa 240
atcttcttat cagaaacgca ttataaatag aaaagaaact cttaaaagag attcttcaaa 300

<210> 160
<211> 300
<212> DNA
<213> Homo sapiens

<400> 160
ggcacagtcc tctctgttca tagaaacacc tgccagtgtc aaggattcca gtcaggtgtc 60
tatcccaact ggtcagggag agaagggcag acccattctc aaagaccacc atgtccaagg 120
tctgacagct ccccactggc tgcccccaca ggggctttag gctggtctgg gtcatgggga 180
agcgtccctc ttatcgctgg tctgtgttct cctgggattt ggtatctatg ttggtacgac 240
tcctggcctt ttatctaaag gactttggct tttgtaaatc acaagccaat aatagacttt 300

<210> 161
<211> 288
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(288)
<223> n = A,T,C or G

<400> 161
gctggaggca ttcgaaaggg actcccgatg tggtgggcgg ggctgaaccc tgtggcttct 60
gaggtccctg ccagccagag acttgtgtga gtctttgaat ggcttcacat gaacaaaaga 120
gcatttctgt caccttccct ctagtttttt ncatcncacc natctnngag ctgaggcnnn 180
gttntttctc nnattntatt tctntnnntnt ttttnctctt ttttnctna tatttttntn 240
tgttacannt tnnnnaattt cnttnttttt tttnnntctt ctatcttt 288

<210> 162
<211> 293
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(293)
<223> n = A,T,C or G

<400> 162
ctcaaaagtc agcacaacaa gtggaaactg gccaaccagt atgagaaatt ccacagtcca 60
agggaaagag aagagtatag tgactgaggt gggtctctct gtccaacatg caggcagcac 120
tccctcatcc tgctcagtga gagaattcag ggggaataga aaagctgctg agagttggta 180
aagaggatgg tcgagtgaga tggtgttgac ctccctggat cttatgttac tacatcctgg 240
acctcnagag gntcatccaa nctttttgaa agctnatctt cttgnctggt taa 293

<210> 163
<211> 300
<212> DNA
<213> Homo sapiens

<400> 163
gtggcgcagt ctgagttcac tacagcctcc acctcccagg ttcaagagat tctcctgcct 60

caacctcccg agtagctggg actacagttg aaaaagatca tctagcaaag ccttttccc 120
agctacatat aaggaatttg aaagtcacat aaaatggtta agaaaatgtg ccaagattac 180
ctcagtaatt ctggtctgtg ttctcaggag accctggaaa taaacaatgt gtcttctgtg 240
gcttcagcgt cacctagtgc aggctgccat tcaacaaacg cattgtcaac agtcaaccaa 300

<210> 164
<211> 265
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(265)
<223> n = A,T,C or G

<400> 164
gccagattga ccaagcgcca gagacaaaat gtggcacaac gagaacccca gccctgtcca 60
ggtggctccg cgcccagggc ccaggcttag cagtgctccc tgccctatct tttggaaatt 120
cttgctttta tggtnttnan ctctttangc cctnaatanc nangtncttg ntgngtgttn 180
cttntcnttg ctgctnttnt tttannntcn nnatntnnnt ttnngctaga gctntngcta 240
ntnatatnnt tnnntttnnt gtttt 265

<210> 165
<211> 265
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(265)
<223> n = A,T,C or G

<400> 165
atcaggactg tgtatgtctg agcacatgtg gctctgtttg ggattacgtg tttgtctgtg 60
aatgtgtgtg tgtgttggag ggttgtctat tgtgtgtggc tgtatagggt gtctgtagat 120
caagatgtgt atacagctgc ttctgctatt gctggtttgg gggaggtgnc tganaanctg 180
nnactgnnta tcntgannna agangggngn anggcncacc cctgntnctg ntcatnntta 240
accntgntcn nnatntngnn ctctg 265

<210> 166
<211> 300
<212> DNA
<213> Homo sapiens

<400> 166
gggttgagaa ccaagggagt cagatcaacc agtcagatca accatgtggc tgcaagacag 60
ggcagagagg ggacgtcagc cccaggcccc tccacacctc atgtgcagtt ctacagcacg 120
ggcacaggca ctgcctacac agagccaacc tctgagccca gacccctcca ctgtaaaatg 180
agaataagca ctcaggatgg ttgtgaggat tcactaacag actgagaaga aatggtgacc 240
taggctggca catgggacac tccccaagat gctccttttt catttccctc aagcccagag 300

<210> 167
<211> 300
<212> DNA
<213> Homo sapiens

<400> 167
accaactgat gacccaccag cctaatctgg cccacaacca tgttctgttc ggtccatgtt 60

ctatttaaaa gtatcttgaa ttggttgcca tcatttaaac tcaatcagac tttgaaggca 120
tggtccagcc acacagggcc tacattccca catggcaact atgaaagggc tccagcccag 180
caggggctgt cccggtccct gccaccccca cttcctgtgc ctcagatctg gcccctgcta 240
cgtaagataa ggacagctac aggtccctct gagcctaaac ccacctaacc ggactaacat 300

<210> 168
<211> 246
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(246)
<223> n = A,T,C or G

<400> 168
cctgatcctg ccaacagcag ttcaggccag ccccacatgg agcaagtacc tgaggcccag 60
ccccttgggg acttgcccat cctggaagtg gaggagatgg agcccccgcc ggttatggag 120
tccttccagc ccgcccaggc taccgccccg cttgactctg ggtgnganan gnanttttg 180
tttttatctt angaattggg ncnttttgtg nnnnaattgn nttnannttt ttntntnnnn 240
nnttnt 246

<210> 169
<211> 300
<212> DNA
<213> Homo sapiens

<400> 169
gcgaagcagg cttttgctca tgtatccaag ttgctgtcac agtgtaaatt tgatctgttg 60
gaagaacttg tggccaaaga ggtgctacat gcattgaaag aaaaggttac ttcactacct 120
gacaaccata aaaatgccct tgctgctaac atagatgaaa ttgtatttac atcaacagga 180
gacatctcca tttactatga tgagaaagga aggaagtttg ttaacatcct gatgtgcttt 240
tggtatctaa ccagtgccaa catccccagt gaaactttaa gaggagccag tgtattccag 300

<210> 170
<211> 274
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(274)
<223> n = A,T,C or G

<400> 170
aagagacgag cggcccagac aggcctggga aggcccctct gccccgtcag gggtgaaaag 60
caaagctgga aggattcgga gagggttggg gccgtcttcc tcatccttcc ttttctcggg 120
gctcccgtgg gtaggtgcac ttggagcaac cgggcctgcg gggtgtgcgg gggtggaggt 180
tgnggaggnn atcgnncnng gcncncccng gtacnctcnc nncnnncncc ntnncnncnc 240
ttctcnntnt cnccncnnnt ccnncnnctc cctc 274

<210> 171
<211> 300
<212> DNA
<213> Homo sapiens

<400> 171
agaagactct tcccctgcca agaaaactcg tagatgccag agacaggagt cgaaaaagat 60

gcctgtggct ggaggaaaag ctaataagga caggacagaa gacaagcaag atgaatctgt 120
gaaggccttg ctgttaaagg gcaaagctcc tgtggaccca gagtgtacag ccaaggtggg 180
gaaggctcat gtgtattgtg aaggaaatga tgtctatgat gtcatgctaa atcagaccaa 240
tctccagttc aacaacaaca agtactatct gattcagcta ttagaagatg atgcccagag 300

<210> 172
<211> 293
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(293)
<223> n = A,T,C or G

<400> 172
gatggccaaa aatatagaaa aggatacctt gcatgtcctg tgaaatgcaa aggaattcta 60
aagtgtcatt atgagttacc tcatggaaga aagcaaaagg tgaatctatc tagagtttgt 120
ggttctgact cacaagagac tgatgttcat gctgaaggac gagtgtgaca ggtggaagga 180
tagagcaccg agaccacact ctaaagggta ggaatctatg ggaactattc agggagatga 240
aagcatggaa tgaactgaag cttgcagact cgttgagtan naagcgcgtt tta 293

<210> 173
<211> 271
<212> DNA
<213> Homo sapiens

<400> 173
aataccctct tcccttgcaa tggcataggg acatctagaa tatagagaag acagagacaa 60
tggaggaaga gtaaagaaac tgactatatg ccttcttcat ttcactgcaa ggaaggccaa 120
gcagattttt gaatgaggtg tgagattgct gttaaattgg actggcctgg acattttaat 180
cccttaaata gaggtgcaat gattaaagtg agatttgtca ctaaaattta tggtatctgc 240
ccaagattca ggagtgatgt tgggaggaga t 271

<210> 174
<211> 300
<212> DNA
<213> Homo sapiens

<400> 174
cctaagcagg catctgcagc atcctatttc cagaaaagaa attctcaaac taataaaact 60
gaggaagtga aagaagaaaa tcttaaaaat gtattatctg aaaccccagc tatatgtcct 120
cctcaaaaca ctgaaaacca aaggccaaag accgggttcc agatgtggtt agaagaaaat 180
agaagtaata ttttgtctga caatcctgac ttttcagatg aagcagacat aataaaagaa 240
ggaatgattc gatttagagt attgtcaact gaagaaagaa aggtgtgggc taacaaagcc 300

<210> 175
<211> 300
<212> DNA
<213> Homo sapiens

<400> 175
aagagacagc ctctctcttc tgtctcagaa gctctgtgtt tgggaaactt tgagcccagt 60
gagtagcagg gtctgcagtg tgagtaccag gtttccctgg caatccaggt ctcctctgag 120
gaagcattct gacttcccac tgaccacgga aggcatgtca gcttcatgcc tcgggctaga 180
gttctgataa tcggggctga ggggtgaaaa agaaaatcca gtcaggacag acagtgggga 240
gacaggtccc tgccctttat ttgcgggatc aatcagggac tcccagaaag gaaggagaat 300

<210> 176
<211> 300
<212> DNA
<213> Homo sapiens

<400> 176
atctgttcag ttctggcttg aaaatgtgtg tgccatactg tgacccacgg gcagcccctc 60
ctcctctact gtgtcaggtg gaccagggtc acctctgttc tgcgcagctt tgagattcta 120
ggattctacg gccggcacga atggcatggg agggttctct gcacgggacg gcataacggc 180
atgccatcct tcaggctggc aggagcctgc gcaggtgtgg caaaatcttg aaacagcctg 240
tgtcctgcct ggcttttcac tttcctattt aatataagaa agcacttttt tttctgcttt 300

<210> 177
<211> 268
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(268)
<223> n = A,T,C or G

<400> 177
caaagtgtga ctttgctagc agtttactca acaatgggca tgtcatctag agttcccaag 60
atttttacca tcctgcaaca gcagtcatag gagaatatgc ctcaatcaaa atcaggctaa 120
aaatttgttt caattctgcg tgtgagctgg gaccttangn ctttctgntc tctatttntn 180
ttttcttntn nnntctnttn cattncgtna ntnncnnnnn nnnantnntc nnnccnntnt 240
tctnnaatnt ttctnntnat nttaatta 268

<210> 178
<211> 300
<212> DNA
<213> Homo sapiens

<400> 178
agcaaatggt gctggagtgc ggtggctctt aagagtctcc acagtttgct agtttgaatc 60
agggactgga tttgttgtaa tatttttgag tatttatggt tgtgactcaa tatatccttc 120
cttattggat acattgaagt ctaactgaga atcgatattt gttccttgga cttgagtgtg 180
aaggaaagag aagctttaat tactactaca acatgacctc aaagtttttc aagtactcaa 240
tgttgtgttt tctttttaat ggggctgttt gtgaagatga ggcattagga tgttgtgatt 300

<210> 179
<211> 270
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(270)
<223> n = A,T,C or G

<400> 179
caacaaaagt cgtgagtgat cagtgaaagc tctgctgtga aggtgacatt tgataactgg 60
ggaagactgt tcaggtaatg ggggcacatg tgtgtgcaga ggcctgaaga aggtgctggt 120
gtggcaagaa tagccaagag actcatcact ggacccgatg gggagaggag taaaagaaaa 180
ggtccaagaa ttggaagaga tggcgggcag gtcatgtagg gccttacaaa naatttgact 240
ttggctgaga gggnagccgt taaaagggtg 270

<210> 180
<211> 300
<212> DNA
<213> Homo sapiens

<400> 180
atcagatggg gttgttttta ttggtatcca gttatgtttg cttgtctttc cagatgggcc 60
cagttattag ccatacatag tacattgata cacctccacc agcgggtgag gaaatgatgg 120
aaaaaggagt aagaagtggc cattcgtttt aatcattcct cctggatttg tcctcagtcc 180
ccaactgcca agtaggatgt gtccatgtat aaatgtgtgg ggcatgacta aagtaccacg 240
tagctgttct ttatatttat ttacctagaa agatctggca aagaactcaa agaaaattgt 300

<210> 181
<211> 260
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(260)
<223> n = A,T,C or G

<400> 181
gttggcttcc ccgggagagg agtatgagga ttaaaaatat tcagaaacaa acaaaagaac 60
acaaaaatgc aaacacatgg tagggaatta ctactgctta ttctcaacag taccacagaa 120
ccagtgtttg agtgctggca ccatatgcaa catggggcat ccgggctgga gtgatccagc 180
tttttagatt cattgtatga ntcatgntaa ggnnnaggag tcttnnnnta nncnannang 240
nnnncnnttn ttnnnttacc 260

<210> 182
<211> 300
<212> DNA
<213> Homo sapiens

<400> 182
ccttggtgca tgggcctgga gccctggggg gaactgtggg aactctgagc cgtctggccc 60
tgagggctca gcctcagcct ccacatctgc ctgttgcggt cctggctgtg gggtctcagg 120
ataaggacat agccccctgg aagctgggaa ggccccacat caggccttgc agtttctaac 180
ccaggaggtg gccgacagca gtgcgttggg gctgcctgtc cctgcacacg aggccctggg 240
gggtgaatgg aggctctccc tgtttttgtt agcattggag gcctgagcag ggctaacgcc 300

<210> 183
<211> 300
<212> DNA
<213> Homo sapiens

<400> 183
agaaggactt cctaatccat gaaaaccatg taaagtttga tcatatcatt agctattggt 60
cagacctatt ttgttgtttg agaaaaacag acacatgggg aaaatggtga ggtgaggtag 120
tgtgttgagg agctggaagt gagcagctct taatttttc ctcctgagac tgagttcgga 180
agaagagtag accatggcat ggaggtggga gagacaagga cagagttggg gaggtcactg 240
cctcacactt ctgctcacac cgctgggtct ggtggaaact caaagtttgt atctaaaaat 300

<210> 184
<211> 265
<212> DNA
<213> Homo sapiens

09253929.050103

<220>
<221> misc_feature
<222> (1)...(265)
<223> n = A,T,C or G

<400> 184
gtcctccctc gtgggcctcc caaagtgctg ggattacagg cgtgggctcc cgtgaccagc 60
ctggaacgtg ctgatgagcc tctttttctc ctgaaacccc ggtgggaaca gatggtggat 120
gctttcaaaa cgcattgaan ntgnacttna agacntgcgg antgntntnn ganganttttt 180
tgagattttt tttaanatan ntnttttttan ntttnannnn ccnttggaan cagatngngt 240
ttntntnaaa ntnnattnaa tctgt 265

<210> 185
<211> 300
<212> DNA
<213> Homo sapiens

<400> 185
aaagaatgaa atgtccaaac ccttactgac aaattatacc tgacagcaga atacacccac 60
atctactaag aggcttccat ggtttttact gctatcactt tgattactcc aataatgaaa 120
ctattgaatc tgtttcttag aagccaaggt aagaaagcag agaatagtct gccattgaac 180
tgatagcatc tgttttataa ttatctggtg acttttctag agaagatgta taaaggctgt 240
gttgtttcat gtacaccaca cttgaatgat tgcttcttga gttggattgt actccagtta 300

<210> 186
<211> 300
<212> DNA
<213> Homo sapiens

<400> 186
cttttgtaag attttgttcc ctcagcttga ggaacaactt catcttcaac tttttatttc 60
tccctgatgt tacagtttgg tagatttcaa actggaatag ctagcatgtg cttgctaaat 120
aattttatgc cagccttatc ctgtatccta gctgttctta acagcaggta caaaaatgcc 180
tgtttttcag caaggttgaa attgggaatg tccttttgaa tcagaagaag ataggccata 240
gactcatctc ccagcacaaa ggggcattct atgaaatggt actggcccta ggaggatttc 300

<210> 187
<211> 300
<212> DNA
<213> Homo sapiens

<400> 187
gcagactcca ggttaaaagc gcttaatgca acattcagag tgaaaaaccc agacaagaga 60
tttactgacc ttaagcacta tagtgatgaa ctgcagtctg tcatctcaca tcttcttcga 120
gtcagagcta gagtagcaga tcgactctat ggtgtatata aagtacatgg gaattatggt 180
cgagttttca gtgaatggag tgccatagaa aaagaaatgg gtgatggact gcagagtgct 240
ggtcatcata tggatgtgta tgcatcttct attgatgata ttttggaaga tgaagaacat 300

<210> 188
<211> 300
<212> DNA
<213> Homo sapiens

<400> 188
gtcctccaag acctgattca gcctttcaca cggtggtgcc actggtccca gggtgcgccg 60
gccccatctc ctcagggcag tgggtgggga agactcacca ctacccctaa aatgggaaga 120
gaccagggtt ccaaagtgac ccccagtggg ggcttcacac gccagggagt acatgagatg 180
atttctgtgg tccctgatac acagctttca ttttgagaga cacaattatt tgagtatcta 240

gtaattcaag cctgggattc aaagatatca tttaagatga aactgaatat ttctcttctg 300

<210> 189
<211> 300
<212> DNA
<213> Homo sapiens

<400> 189
cctgaactca ttaccttcaa gtatggaaat agcagtgctt caggaataga aatcttggca 60
atcgaaaggt atttgattcc aaatgcaggg gatgcaacta aagccataaa acagcagatc 120
atgaaagttt tggatgcttt ggaaagttaa tataaaagaa aattatataa aaagaaatta 180
agacaaccaa gagaaacatg gacatatacc tcctgactga atactaactg gagacctttc 240
atttgctcat ggggctgctt aaatagcagg tctaagaaag tgtaaattat tataatcaat 300

<210> 190
<211> 300
<212> DNA
<213> Homo sapiens

<400> 190
gtggagatga cccctgagaa gttcagtgtc ttaatggaga agctctgtaa aaaggggctg 60
gcagccacca cctccatggc ctatgccaag ctcatgctga cagtgatgac caagtatcag 120
gctaacatca ctgagaccca gaggctgggc ctggctatgg ccctagaacc taacaccacc 180
ttcctgagga agtccctgaa ggccgccttg aaacatttgg gcccctgacc atccaccaag 240
ggaccaccct cttggtgctc catcaccagc ttcctgaagg gcatttcttt cttcaccacc 300

<210> 191
<211> 266
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(266)
<223> n = A,T,C or G

<400> 191
gacaagcgct ggagccgcag ccctcagact ggcacgggaa cgccagcgtt gggtgttcag 60
attccacgcg tatgtctggg ctcactcaca gcatggccga gtgtctgcag tgctggtcct 120
gacccttcca gagcagcagt ggacagatga gataagactg tttcagaaac naanatggnc 180
acagccttcc taacangcag gtcatctggc catgtctgta tngtnacttg ttaaaangct 240
tcngtnatat tgattgatna natatt 266

<210> 192
<211> 300
<212> DNA
<213> Homo sapiens

<400> 192
tcctggatca gtttctttgt catgtagcca agactggaga aacaatgatt cagtggtccc 60
aatttaaagg ctattttatt ttcaaactgg agaaagtgat ggatgatttc agaacttcag 120
ctcctgagcc aagaggtcct cccaacccta atgtcgaata tattcccttt gatgaaatga 180
aggaaagaat actgaaaatt gtcactggat ttaatggtat ccctttttact attcagcgac 240
tatgtgaatt gttaacagat ccaaggagaa actatacagg aacagacaaa tttctcagag 300

<210> 193
<211> 281
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(281)
<223> n = A,T,C or G

<400> 193
cacactataa atggaagaaa aaaattaata gcttctgttt aatctgatga atgtggcttc 60
ttttgccttc actatattgc cctgtgaagc tgctctttgg tggnntattt atngnactgn 120
ctgntnttat tttgcttatt gcctttnttn nnnttgnctt tatcncattt tntngttntt 180
ttnttcnntt gnttacnntt tnnnannntt cntnngtttn atttnnnngn ntcttntntt 240
aannengngg antnnttttt tctnnngnng annntttctt t 281

<210> 194
<211> 300
<212> DNA
<213> Homo sapiens

<400> 194
tgattgatga gggctgtcgg ccaggaactg atcgaggctt gttaattgca tttgtcaaat 60
gcagggaaat tgggaattag tgaaatcgga gaagggggtt tggaaaacaa atgactcgtg 120
cctaaggaaa ttttttgcag gaaagtatct caggagcccc tgcagtcagg gagctgctgg 180
tgtggactca gactacatgg ttgaaatagg caggagctgg gcggggcaca gtggctcagg 240
cttgtaatcc cagcaccagc actttgggag acggaggcag gcagatcact tgatgccagg 300

<210> 195
<211> 278
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(278)
<223> n = A,T,C or G

<400> 195
gttaacagtg atgatgacag cgtgctgctg gtacactgta tctcaggctg ggatcggacc 60
cccctcttca tctccctcct gcgcctttcc ttgtgggctg atgggctcat tcncacgtnc 120
ctgannccca ntgagatcct ntacctcnct gtggnctatg acgggttcct cttctgcacn 180
tgnnggttnt tctnatcntt attttnntnn ttagtnnttt nctantttnt gnntattnnt 240
nntatntnnt ataatcnntn nntnnnttcc tattattt 278

<210> 196
<211> 300
<212> DNA
<213> Homo sapiens

<400> 196
agagccctct gtttgcagct catggaggaa gcagcaggga aaacctggcg ctgcaaaatg 60
tgcaggctcg aatacggatg gtcctcgcct atctgtttgc tcagttgagc ctctggtctc 120
ggggtgtcca cggtgggctc ctcgtgctgg gatccgccaa cgtggatgag agtctcctgg 180
gctacctgac caagtacgac tgctccagtg cggacatcaa ccccataggc gggatcagca 240
agacggacct cagggccttc gtccagttct gcatccagcg cttccagctt cctgccctgc 300

<210> 197
<211> 300
<212> DNA

<213> Homo sapiens

<400> 197
cttgggcaag ctctttatcc taagattcct cagtgagcct tatagagttg ctgcgagaat 60
tacatttgtt catgatgtca agtgtctggt atgtagctaa tgcttattga acacatagta 120
atttattgaa taattgtcat gatcactgga tgagatatag ccactgtgga ggtaggcaca 180
ccagggtttt agaggcttgg gatcttgcaa caggattttc ctcttgcctc tccaaactgc 240
cctttgccca gatggcttca gcatcttttt gcatccctgt ttccttgttt ggtgaacacc 300

<210> 198
<211> 294
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(294)
<223> n = A,T,C or G

<400> 198
ccactaacag aactgaagaa aattctaaac gaaatggcaa aaagaaaatt catttttgg 60
ctctctgctc tgaagaaccc ttgttataac gtgtttatag catctttggt agatggagag 120
agatctttta tgacaaagag tgtgatacaa tttttttaat gcatataggg cattgttctt 180
cctagagcat atttacataa attatctcat ttggaaaaca caacaacctt atacttgtgt 240
ctgcattcgc ttgggcattt taaaggtcgg aagaanttga ancttttcaa gagt 294

<210> 199
<211> 263
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(263)
<223> n = A,T,C or G

<400> 199
agttccctca cttctctgca cacctattcc cagattccat ccagagcaaa gctgatgttt 60
atcgtctcat tgtacttagg ctttcgtact ttaaaaaatt atgacttttt aaaaataagc 120
cttcagcaga cagaagtgaa gaaatttagc ctgggttgcc tcagcaacaa agtctgcggt 180
tcctaagagc cacatgttgg ggaagcgggg tgnntnnnan ntgttgnnga nggngnnnnn 240
nnnnngnnnn nggnnnnnng nnt 263

<210> 200
<211> 276
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(276)
<223> n = A,T,C or G

<400> 200
cctctccttc catgtcacaa actaacccac atcaccattt tgcaaacatg catccttggt 60
ctcaagttgg cctaacaagg aaattgaaca gatccattga aaagataatt gaaagcacat 120
atcctcttgg atcagaagga catttagcat ggtacctctg catcattcat gtgttcattc 180
attcatttca cagatccttc aagaatacct tctatggcct agacactgtt gcatgtgaag 240

nccacngana accactattn caancgggac cccttt 276

<210> 201
<211> 300
<212> DNA
<213> Homo sapiens

<400> 201
ggggagtaac agaagcctgg atacaattac tctatcagga gatgaaaggg actttgggag 60
actgaatgtg aaattgtttt ataattcttc agtagaacag atctggatca cagttttaca 120
gtgcagagat ttaagttggc cctctagtta tggagacact cctactgttt ctataaaagg 180
aatacttaca ttgcccaaac cagtgcattt caaatcttca gccaaggaag gttccaacgc 240
tattgaattt atggaaacgt ttgtatttgc tattaaactt caaaatctac aaactgtaag 300

<210> 202
<211> 300
<212> DNA
<213> Homo sapiens

<400> 202
atgtgcctgt aatcccagct actcgggagg ctgaggcagg agaatcgctt gaacctggga 60
ggcagaggtt gcagtgagct gagaccatgc cactgtactc cagcctgggc aatagagcga 120
gattctgtct cccaaaaaaa caaaaaacaa caacaaaact tgctaccacc cagggatttt 180
ctgctattta aaaggtgaat ttcttttctg gtactaaact gtagctgctt aacttagtaa 240
aggctgtgtt tggccaggcc tgtgccagag gctcacctgg agtgctccac ccactggcag 300

<210> 203
<211> 300
<212> DNA
<213> Homo sapiens

<400> 203
aagaactcca tgttccactt agaggcttca gagtgcagtg ccaggggtgc cttcccaaaa 60
gtcctccctg cctgggtgga gcgtagacag ctcagcaccc cacggggggc gttggagcca 120
gccttggttt tgttgggtaa ggatgttaga agaggggcga agacccatag ccactggtgt 180
gaagggtctg ctcttgaccg aaggctgcct ccctctgggt gcagaccagg caggtggtcc 240
cagtcacggt gccctggggc cactgggtct gtctgccctc aggctccact agacacacct 300

<210> 204
<211> 300
<212> DNA
<213> Homo sapiens

<400> 204
ttttgcacaa gacaggttgc tgaggggtcg gcaagcatct gacttgccca atcccctgga 60
tatggtgagc cccgccatgc ttttattctg tatcgctttt gtctttattg ctgctttcaa 120
catttacgtt tggttacagt taactatttt cggagtgtgg tgattgaaga caatttcatc 180
atcccactgt actttttttt tgagagggag tttcactctt gttgcccagg ctggagtgca 240
atggcacgat cttggctcac tgcaacctct gcctcctggg ttcaagcaat tctcctgcct 300

<210> 205
<211> 300
<212> DNA
<213> Homo sapiens

<400> 205
gccatttctt ctggccttta caaaaaggca ttttgttata ctacagtgta aacctcattt 60
ttttcactcc aaaaggtagc agcccctctt cttcccaccc tggacctgcc tttcactccc 120

09/543,200 - 09/543,200

tgggcacaga gcgcatggta ccattgatgt ttggtttatt ccaggatcca aggagctggt 180
tctgctggtt ggaccaaacc tcgtgagcca gccacccctg acccaaatga ggagagctct 240
gattctccca tccgggagca gtgatgtcaa acttctgctg ctggggaaat ctcatcagca 300

<210> 206
<211> 300
<212> DNA
<213> Homo sapiens

<400> 206
ctgacttcaa ctgcaatggt cctgtcaaca cacagggatt ctacaggggc tcccctgggt 60
gcgtcatgga tgctgttctg cgccacggct gtgaggcagc cttcgtgagc ctgctggtag 120
aatttggagc caacctgaat ctagtgaagt gggaatcgct gggcccagag tcgagaggaa 180
gaagaaaagt ggaccctgag gccttgcagg tctttaaaga ggccagaagt gttcccagaa 240
ccttgctgtg tctgtgccgt gtggctgtga gaagagctct tggcaaacac cggcttcatc 300

<210> 207
<211> 300
<212> DNA
<213> Homo sapiens

<400> 207
ctcaaagaaa tccaagacag acaactcttc tcttagttca ccactaaatc ctaagttatg 60
gtgtcacgta cacttgaaga agtcattgag tggctcgcca ctcaaagtga agaactcaaa 120
gaattccaaa tctcctgaag aacatctaga agaaatgatg aagatgatgt cgcccaataa 180
gctgcacact aactttcaca ttcctaaaaa aggcccacct gccaagaaac cagggaagca 240
cagtgacaag cctttgaagg caaagggcag aagcaaaggc atcctgaatg gacagaaatc 300

<210> 208
<211> 300
<212> DNA
<213> Homo sapiens

<400> 208
gtaaggcctg ccttttacac accagttgtg tgtttgttag tggctgctgg atgccagtcc 60
acaccctcaa acacctcaca gtcccaaacg gggtgctcct acaggtccca gggtcctgtt 120
agtggaagaa aggcagttcc aggaagtctt cctctagcct tcatgacagg aagtagttaa 180
tcctctggga aatagacttg cagccctggg aagaaaagag ttgttcctcc ttggggacat 240
acaccatcat ctgggctatt tcatccagtg tctcttcttt atacaggagc tcctggctca 300

<210> 209
<211> 265
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(265)
<223> n = A,T,C or G

<400> 209
agtggctgag tggaggcgcc cagacctggg caggcagcag gctcaggccc acaccttgtg 60
atttttgaaa ccaaagccca gaagatgatg tttacttctc tctccctggc tctgcccttc 120
ttactgcaaa ccatgctgtg ccttagggcc cttctcatag ctgttcctca tggccatgac 180
tggaacaggg atgcaacctc tttctacaca agcacagtta gttgggtgaa gtctttttt 240
tgnttgnntt anacggagtn anact 265

<210> 210

<211> 300
<212> DNA
<213> Homo sapiens

<400> 210
ccgggactga caccactggc caggaagtgg ctgaagctca gctggatgag gatggggatt 60
tggacgtggt gagaagacca cgagccgcct ctgattccaa cccagcaggg cctctgagag 120
acaaggtaca tcccatgatt ctagcacagg aagaagacga cgtcctggga gaggaagcac 180
aaggcagccc gcacgatatc atcagaatag agcacaccat ggccacgccc ctggaggatg 240
ttggcaagca ggtgtggcgg ggcgccctgc tcctggcaga ctacatcctg ttccgacagg 300

<210> 211
<211> 294
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(294)
<223> n = A,T,C or G

<400> 211
ccaggatgga ggtccgggcc tgccccaagg gtcccaccac agccagcggg ctggcctccc 60
accccagcat ccatacacgt aggcctgttg ctgagggaag gccctctagg gtcatctggt 120
ccaggggttc tttgcttcag ctgcacatcg gctgcctctc caggaagcgt gttcaacaca 180
tggaatcagg gctccaccca gacctgccga ggccacactc ctggagtatc tgcatccaaa 240
gatctgcacg tttgtaaagc taaggggtgn tnnttggant aagcttnagg tttg 294

<210> 212
<211> 299
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(299)
<223> n = A,T,C or G

<400> 212
gcaagaccag catctggaca gtgggggctc ttgagagtcc ccggcgcccc ccacaccagg 60
ttgtcctata accctctccc ctctgtggag acgttaatgc caaggggtgt gtgnnnaggn 120
aagtcctnnt ntgcanccaa gattgacaga tanttctagt nacttccngg gnntccattc 180
ttatttttatt ccaatatnaa nanaatncag gttntgtcan attattaagg tgtgcttatc 240
tatattttaa anaatctntt acanngtttt cttgcatctn gtnccattca tgtcttaca 299

<210> 213
<211> 255
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(255)
<223> n = A,T,C or G

<400> 213
aatatcccca aataacatgt cttacatgtt tggtaagact tactgtaccc tgtcctagaa 60
gatagaagat gccctgccct tagaagacaa agagactgta gagctatgcc ttctaaatct 120

taagccactc ttcagataat ggatcccttc atggtcagcc caaacatctc aagaactttt 180
aatttgtacc gtttgtcttt ttttccatct atttaatacc ncantnttna ctttattatt 240
atgaanccna tatct 255

<210> 214
<211> 138
<212> DNA
<213> Homo sapiens

<400> 214
tgcctgcgag ggctgccctc tgcagagcgc tctctgtgtg ccagagagcc agagacccaa 60
gacagggccc gggctctgga cctgggtgcc cccctgccag gcgaggctga ctccgcgtga 120
gatggttggt taaggcgg 138

<210> 215
<211> 300
<212> DNA
<213> Homo sapiens

<400> 215
agccgagctg ggccgtcctg gggatcggta cagctccctg gggtggtgac aggccctttg 60
tgaaagttgt gtgcttggtc ttccacccca gccccagaca ctgcttcaaa tagcaccaac 120
cagatgggag tccacatctg tggtggcaaa atgctgacat tttcccaaga ggtacacaag 180
gtgggagagg cctgctgtag cagaggtgtg tgttagagaa agcaggggcc tgatttagta 240
gcagagaact gggtgagaaa aatggccaga gaaagtgacc tgccagctac cagtgtttcc 300

<210> 216
<211> 300
<212> DNA
<213> Homo sapiens

<400> 216
agctcattaa cttaccagag gttttaaaat ctgagaagca ctcattcaaa tgctttggtt 60
ttttgccatt tgtatttcag gagatgcaag cagcattgta tctgcaattt gctacacagt 120
ccctaagtca gctatgggaa gtagcctcta tgctctagaa tcaggctctg attttaaatc 180
tagagggatg tctgccgcga gtcgtgtgat attcgggcct ggtgtgacca tgtccacctg 240
tgatgtcatg cttattgatg acagcgagta tgaagaggaa gaagagtttg agattgcctt 300

<210> 217
<211> 300
<212> DNA
<213> Homo sapiens

<400> 217
agtagaatag tcttttatga aataatatac ttatggaaaa tatatgactg gtatatgatt 60
cctttagagg aagaaaattt caattttcag attcaaagga agcacccttc ctagtctata 120
tatatagtaa gcggagaact agttttacag tgctcatttc aggtcttcag taagtgtgta 180
tgatgatgtc agaagtattc attggctcac tttcaaatca ctgaaaattc agccatgcta 240
aggttggcta ttacgtgtat tagcgtttcc aagcgagtgg tcttggctgg ggtgagattg 300

<210> 218
<211> 300
<212> DNA
<213> Homo sapiens

<400> 218
ggtagacagc ttcaagtggt actcggtggg atacatgaaa catttggacc gtgacccgga 60
aaagttgacg caccatatgc ctttgtttta ctgtctctat gagaatcggg aagaagaatt 120

tgtgaagacg attgtggatg ctctcatgga ggttacagtt taccttcaat cagacaagga 180
tatgatggtc tcattatact gtctggatta ctgctgtcac ctgaggacac ttaagttgag 240
tgttcagcgc atctttcaaa acaaagagcc acttataagg ccaactgcta ggttgtccta 300

<210> 219
<211> 296
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(296)
<223> n = A,T,C or G

<400> 219
ctgcaaagaa aggaagattt ttctttttac aactagatat tagttttaga ggaaggaaat 60
agctgaaaaa ctaaatttgc tttggtgaaa tgtcctgtnc ngancagtnc cttggcatac 120
nacanctnca atnggggagn tnttatacat nctctgacgc tntantnnta nggngactct 180
nnatttnctg nncntnttan ggttnnccnn tngtctgttn tcttnagtan aattangcnt 240
ccttnnanng ttggtgtctn ntnntgcata tcnntttang cttttnttna tattta 296

<210> 220
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 220
atttcccttt gccctgccac tttcaccata gggccttctt acctggcaga ggagtgcctt 60
agataccaga agattggcag ggaagaaggg cagccacttc ctggttacca tggagaagct 120
tgtcatgctc caagcctgtg cttacttgtc cagtagcaac aatgggaaac tgtattattt 180
ggggtagggg tagaaccctg agggcataaa gctcagaatt ccangctgca tctggtanaa 240
tcggcttggc nggggttcan ctgctccctg ggaggccttg gcatactnag gctgctccag 300

<210> 221
<211> 300
<212> DNA
<213> Homo sapiens

<400> 221
gtacattgtc ctgacactgg aaaagacatt tggaatttac tttttgacct ggtctgccat 60
gaattctgcc agtctgatga tccacccatc attcttcaag aacagaaaac agtgctagcc 120
tctgtttttt cagtgttgtc tgccatctat gcctcacaga ctgagcaaga gtatctaaag 180
atagaaaaag tagatcttcc tctaattgac agcctcattc gggtcttaca aaatatggaa 240
cagtgtcaga aaaaaccaga gaactcggca gagtctaaca cagaggaaac taaaaggact 300

<210> 222
<211> 300
<212> DNA
<213> Homo sapiens

<400> 222
ggagaagcaa ctgacgacag atgctgcccg cattgtgcag atgcagccca gaagcagatc 60
cagagcttga ataaaatgtg ttcaaacctt ctggagaaaa tcagcaaaga ggagcgagaa 120

tcagagagtg gaggtctccg gccgaacaag cagaccttta accctacaga cactaatgcc 180
ttggtggcag ctgttgcctt tgggaaagga ctatctaatt ggagaccttc aggcagcagt 240
ggtcctggcc aggcaggcca gccaggagct gggacgatcc ttgcaggaac ctcaggatta 300

<210> 223
<211> 300
<212> DNA
<213> Homo sapiens

<400> 223
ctcaatctct tgacctcatg atccacccgc cttggcctcc caaagtgctg ggattacagg 60
catgagccac tgtgcccagc ccctcccttc cttgtttttg taaaataaag tcagagaaac 120
ttttccagct atagtcaact aatacacatt gatttgaagg agtagaaact gaggagttta 180
cataaaataa cttctctgtg aagtattagt gagatgatca ggcctggggt gggagcttga 240
agagaggagt ggataaagca gtcaaggtca aacaggagtg agacagtgag caggactgaa 300

<210> 224
<211> 264
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(264)
<223> n = A,T,C or G

<400> 224
accacgtcat atacagccta caaagagctc ttgactgtga gctcgcagag gcccagttgc 60
ataccactgc cattgacaaa gagggtcgtc gggctgttaa agcgggagct tatgctgctt 120
gccaggaagc aaaggaagat ataaagagtc attcagaaaa tgtctctcaa catccacttc 180
atgtagaagt attacactca gagattatgg ctcattanaa atntgctttg ngccttnntt 240
nctgnatnaa tnnnntttatt ttnt 264

<210> 225
<211> 300
<212> DNA
<213> Homo sapiens

<400> 225
gaaacatggg gaaaagttcg taaactcctg gttgatgcaa ttcataatca actaactgac 60
atggaaaaat gtattttgaa atatatgaaa ggaacatcta ttgtggtccc tgaaccactg 120
cacttttttat taccagggaa aaaaaatctt gtaacaattt catatccttc aggaatacca 180
gatggccagc tgcaggccta taggaaggag ttacatgatc ttttcaatct gcctcacgac 240
agaccctatt tcaaaaggtc taatgcttat cactttccag atgagccata caaagatggt 300

<210> 226
<211> 283
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(283)
<223> n = A,T,C or G

<400> 226
cagcatcttt caggtcatcc ggagctgcaa tcgaagtctg gagacagacg aggaggacag 60
ccccagtgaa ggaaacagct ccaggaaaag ctccttgaag gataaaagcc gatggcagtt 120

tataattgga gatttgttgg attcagacaa tgacatcttt gagcaatcca aagaatacga 180
ctctcatggt tcagaggact cacagaaggc cttcgaccat ggnacggagc tcatcccttg 240
gtcgtgctgt ncatccaanc cgatgtgccc anttcntgct tta 283

<210> 227
<211> 300
<212> DNA
<213> Homo sapiens

<400> 227
gggaatatcc tcaaccttaa atccttatct gccgttactc agggatatac taggattatg 60
tcatcaatta tcttcaataa tagcattttt ggtcaaatta aatgagtggt aagcttcttc 120
acaatgtgac cattgaaatt gaatggtttg ttctgtacct ttttgcttca gcaatcaatt 180
ttctccatta agatgggact tgtactttaa ttcagatatg gtacctcccg aatagaaaat 240
aaattatgtt aatatagttg taataataag tgtgtgttaa gatttggtta ctataaacta 300

<210> 228
<211> 300
<212> DNA
<213> Homo sapiens

<400> 228
gctgggtgca tgtgctacca cacccaatta tgaatttcat cattagtttc ttagtagagt 60
ccacatgtcc tcagtagtaa gttcatcagt gctaaatatt tgaaggtatt tctactgttt 120
tgtaaaagta acttaagcct acctggtctg ctatcttttg agtatttata ctttctacgg 180
gcttgtaggt aaacataaaa agagaaaaaa tatcccaata atacagtttt taacctttta 240
tgataaagac atgcttagaa tgctgttaag ccttctgaga tttaaccact gaaactaagt 300

<210> 229
<211> 300
<212> DNA
<213> Homo sapiens

<400> 229
tgagctggga gaaggggaga aagtttgtga agaggagatc ggtgacctgg gctccttatg 60
tgcctgaaag agtttgagtt tcctgttaac tccaaatcaa cagtattttc aacaagaaat 120
gtgcaattga aatcaagtgc tgtttaagtg cagctaggat ttccacagga agacacttgc 180
agtgaacaga gttatggagc agcaaaaaca cagatctatt tggaaaaaga gaaaacatat 240
gcgttgtatt ttgcttcaat tataaaatac catcctctca aaggtggttc taaattacaa 300

<210> 230
<211> 300
<212> DNA
<213> Homo sapiens

<400> 230
tccttttagg taacacaaag ttccaagtat gttacctagt ttacagagtg gtactcaaga 60
agagaattaa cattcttact gtaaaacttc attgataaca atagtctact tctagaaaca 120
gaaataagaa ttaaaaacag tgctatctat ttgtactggt gagtgaattt taacttttaa 180
gaaaatttta atgtttaaga agaacttcag tgtatggagt tacaagctat cctgaatatt 240
tttataatag aaagtattag ttttcccagt gtggcagctt cttaataaaa gaaattattc 300

<210> 231
<211> 300
<212> DNA
<213> Homo sapiens

<400> 231

gaactaatga aaagtggttg tctctaacct tggtatgctt tcagagcatc agggttaaat 60
tacctcaact tttggcaggt atactctaaa gctattaagt atataatatg ggctcggcat 120
ggtggctcac acctgtgagc cacctagcac tttggcagtc caaggcggac agatcacttc 180
aggtcaggag tttgagacca gcctgtccga cgtggtgaaa ccccatctct actaaaaata 240
caaaaaccga gcgtggtggg tggcatgcac ctgtggtccc agctacttgg gaggctgagg 300

<210> 232
<211> 300
<212> DNA
<213> Homo sapiens

<400> 232
gagacctgca gcccctgttt cgtggcagac agcaggtgcc tggcggtgac ccacggggct 60
cctggcttgc agctggtgat ggtcaagaac tgactacaaa acaggaatgg atagactcta 120
tttccttcca tatctgttcc tctgttcctt ttcccacttt ctgggtggct ttttgggtcc 180
acccagccag gatgctgcag gccaagctgg gtgtggtatt tagggcagct taacaggggg 240
aacttgtccc catggtcaga ggagacccag ctgtcctgca ccccccttgca gatgagtatc 300

<210> 233
<211> 300
<212> DNA
<213> Homo sapiens

<400> 233
agaaggctct taagacactc aataaatata cttattgaat tagtagaact tttcccatgt 60
atctcctatt actacattag gatctttgtt cccttagtgt gtctttagcc tgtgctctca 120
caagctttgt ggtgtcgtgt ggatcacagg atcgtttaag ataaagatac ttttagctct 180
ttaattctgg tattctatta ttggtacagg gaacccatac attatcttaa tttcagagta 240
acacacgtct cggcatggga caggggggtgt cctaatgaaa agagggctaa caggtggaat 300

<210> 234
<211> 300
<212> DNA
<213> Homo sapiens

<400> 234
ggaagggtta atattctcat ttttccctcc tattctatct ggagagatca taaaatacat 60
tacagttaga gtcaacaatc accacttgaa gaaatctctt caacacaaag cctgataaaa 120
tttacatctg gtaaatgtct atttaagcta ctgcgaaaca catatactta aaaaaaaaag 180
gccttttcat tgtctcaatg tcttgaaggc tggagattgt aaagcacttc cctaaagttc 240
ctatgagcag gatgaggcta tttgccttta tagagctata gaactaataa gcaatcaaag 300

<210> 235
<211> 300
<212> DNA
<213> Homo sapiens

<400> 235
ggacattata tgtctgaatt ttcacagtac ctttaattaa agagatatct ttaattaaag 60
tagctctgtg aacagcaagg aagtggatga ggaaacagaa attggcagag tccatgattt 120
gtccagatta aactgccatg agtgactgta acaaaaattc agaacttatg taactcaaat 180
aggtatattt gagaaatagg tcggcacagg tcaagatgtg aaagcccaat aaagctaggc 240
agagacttgg taagataaaa aaaaagtgcc tcaaaatgtt cagtgacagt agtgccctga 300

<210> 236
<211> 300
<212> DNA
<213> Homo sapiens

<400> 236
ggtatcagaa gccaagccag agctcaggtg ttttgattca cagcccttta taaccattat 60
cattttgaat gaaaagtaaa tcactgtttc ttagtgattt gggcatgttt cctgagttaa 120
gggatctgtc tgacatccgt ggtaagcctt gtcttaagtg aattgtgggt aaagacttgt 180
cccagatgga gtgggaggac atgaaggatg aggaactacc ttcaggacct tccagtccat 240
aggcagaggt gggggaaatt cacagaaaaa caaatgagtt aaagggatac tgcagtagtg 300

<210> 237
<211> 287
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(287)
<223> n = A,T,C or G

<400> 237
gtacagcagg ccttgatttc aacaataaaa tcccgacctc ccttgctgcg ctgcactgcc 60
cccgggagct gatgggttgg agactggaaa tcagaaaaca cacaatccag aaacatggtt 120
tatctggaac ctaggtatat aagatgccaa gataagtcaa attcacagag acacattgta 180
gaatggtgat tgccaggggc cacagaggag ggcagaaata agttattctt gaatgagtac 240
agagtttcag ggtttttttgt ttttgttttt ttttttttnt ttaaaca 287

<210> 238
<211> 300
<212> DNA
<213> Homo sapiens

<400> 238
cctcggccct tgcccagggt ggggcctggc cctcatcttg accaaagctg ctgtgtggca 60
gctcggcctc tctacgaccc catcttggtg gctgcacact tttcctggcc cgcaccccca 120
tccccagtcc ctgttcccca agaggataca gagcacggtg ctggctgact caactgtgcg 180
tcccaggttc agggtcttac agagctccac cccctggggt cttacctcac tgggaatgtg 240
ttttgaaaat gaatttggag acaagccaac aaaccctgca ctccaaaaaa gcaaaacaga 300

<210> 239
<211> 300
<212> DNA
<213> Homo sapiens

<400> 239
gggcatgtac accctgctgg cgcgctgcga ggagctggag cgggctctgc agccggttca 60
ggggctggcg cgccaagtcc gggatatccg acgtactctg gaggtgttgg aggccctgtg 120
caagtgacca ggaggacagg agaggccggt cctggccagg gcagggccca gcaggaccct 180
aaggactctt cagggagtcc tggtgggaag tgcccactga ggggaggcct gtgtgttgga 240
ggctcttcca gatgcgttca gctggcccgt gcccactcgc tgggccttag gctggtgtat 300

<210> 240
<211> 300
<212> DNA
<213> Homo sapiens

<400> 240
gggaagtttg tcaatgacaa gagcaggaag agcgagaagg tgaaggtgat tgacgtgact 60
gtgcccctgc agtgcctggt gaaggactcg aagctcatcc tcacggaggc ctccaaggct 120
gggctgcctg gcttttatga cccgtgtgtg ggggaagaga agaacctgaa agtgctctat 180
cagttccggg gcgtcctgca tcaggtgatg gtgctggaca gtgaggccct ccggatacca 240

aagcagtccc acaggatcga tacagatgga taaactgcca agaaccagat ttttaaaagg 300

<210> 241
<211> 300
<212> DNA
<213> Homo sapiens

<400> 241
caggagcatg ttgcgtcgtc actagctgaa tgagaacctt cgggtccaag tttcagcttg 60
tgggtgttaa cacctacagg cacatcgatc cgattagaaa aagcagtggt tgcaaacctt 120
ttcctggacg gcttcctttc cttgcctata ttgatacctt ttcttctcgg agatgtcgct 180
ccagtaaacc tgcttctgac tagctgcttc tgaaatgttc tggggcctcg aaccggccgg 240
tctggccacc tcaatccaga ctggctgcac ccgctgctcc cgcgaggcct ggattcatgc 300

<210> 242
<211> 277
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(277)
<223> n = A,T,C or G

<400> 242
ggcagatgtc acaacagaat aaccacttgt ttggagcctg gcacagtcct ccagcctgat 60
caaaaattat tctgcatagt tttcagtgtg ctttctggga gctatgtact tcttcaattt 120
ggaaactttt ctctctcatt tatagtgaaa atacttggaa gttactttaa gaaaaccagt 180
gaggcctttt tcccctctagc tttaaaaggg ccgnttttgc tggnntgctc aagggtacna 240
atnggncntt aatngnatat taccgnanan tgcctta 277

<210> 243
<211> 291
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(291)
<223> n = A,T,C or G

<400> 243
atgaagtcag ggcaggccgg tgccctttt gggaggcacc aggcggggag gagttggcgg 60
agcaggtctg gctgtgagcc agcaccaggc aacccggccc ttgtccaggg acctctgctg 120
ccttctctct ggggtcagga acctcagagg aggtggctct ggctactgca taggacgcan 180
tnactngnan ntgccgtnnt ncctgtctna ttttctgtan ntnnntncnn ccctttnttt 240
ntnctttnct ttnttnngan ttnntnttcn nnnttntnnt anttttattc t 291

<210> 244
<211> 300
<212> DNA
<213> Homo sapiens

<400> 244
ctcagctctc accagctgtc agatgctgcc acagggcgag aacctccaag atgtgctccc 60
cagggacatc tactgccgcc tcaagcgcca cctggagtat gtcaagctca tgatgccctt 120
gtggatgacc ccagaccagc gcggcaaggg gctctacgca gactacctct tcaatgctat 180
tgccggaaac tgggagcgca agaggcctgt ctgggtgatg ctcatggtca actccctgac 240

tgaagtggac attaagtccc gtggagtgcc tgtcttagac ctgttccttg cccaggaggc 300

<210> 245
<211> 300
<212> DNA
<213> Homo sapiens

<400> 245
gttgatgaga agtctaaagc agtaatagta gaattacatt tcttctggtt ttaatagtaa 60
ttgttgtctg ctgccttctt gcagtttacc ctacccatag tgtgtaatgc cattaaaacg 120
aagtatagaa agatccattg gcctggagaa aggttagagg tgtaggagtg tatgacattt 180
agttcattgt tcttactggg ttcagcacat tgcaccctgc gtgttatttg caacttaaaa 240
gggtatagat taaaacttgt gctcagtgta acaactcagt accacaaaaa tggtagaatg 300

<210> 246
<211> 290
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(290)
<223> n = A,T,C or G

<400> 246
gttacatcaa gagataaata gagtgaagca gaactagtgg tgcggaccag ctcgccagca 60
acagaagggt ttgtagtcgg cctggcagtg gacagggagg ttggctagaa ctattacctt 120
aggtccgtga taatatccct gaatccaact tttcagaaag aaataggtaa catatttttc 180
accaggaagc tttacccaga cactgaacag aatggtctca gtgcactaat ggaggctcag 240
ttaaagggtt gtggatcnca tggaanagan nttctgantt ggatatttgg 290

<210> 247
<211> 300
<212> DNA
<213> Homo sapiens

<400> 247
tggagaggcc ttggcaaaat ggctcatcac gttcaggccc tccgggctga gttgtcagca 60
gtatcaaggg aggggcctgc tctatcccca gaaggatcag gatcatatcc aggatgcccc 120
acatacacca agccaggcag agggcagctc agctcctgtc ccatctgctt tggatatctt 180
tacccaaagg caggtaaccc gaagagccag cctccactgc ccacagagcc aggcccagtt 240
gtgttggagt ataggtcagg agctgtggaa ggaggcagtc tgtgagggac tcatgcttta 300

<210> 248
<211> 300
<212> DNA
<213> Homo sapiens

<400> 248
tctgggagct gattggagaa gcggccaaga gtgtgaagct ggagaggcct gtccgggggc 60
actgagaact ccctctggaa ttcttgggggg gtgttgggga gagactgtgg gcctggagat 120
aaaacttgtc tcctctacca ccaccctgta ccctagcctg cacctgtcct catctctgca 180
aagttcagct tccttcccca ggtctctgtg cactctgtct tggatgctct ggggagctca 240
tgggtggagg agtctccacc agagggaggc tcaggggact ggttgggcca gggatgaata 300

<210> 249
<211> 287
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(287)
<223> n = A,T,C or G

<400> 249
cttcagcgta gctctccacc tctacccgga acacaccctc tcacagacgt accaatgtta 60
tttttagaat ttcatggatt tagttataca taccttaata gttttataaa attgttgaca 120
tttnaggcan attnggtcaa tattatcatt gaatantttg agacgnnnng gtgttntttt 180
tatnnttnna nggnttnnng ttatnnnann atttnnggtn ttannnaatn ggggggngnt 240
nnannggnat attggngtga nnantaatta gggnnttttt tgtgtag 287

<210> 250
<211> 259
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(259)
<223> n = A,T,C or G

<400> 250
agtcagcatt atttaacact ccccttaact gtctttgaac tttctctttt aacaaaaatg 60
tcaagtcttt acagttgtaa tatcaccatg tttcccattt ctgttaatac ttctatgaac 120
ccctaaagta ttgaagggaa ctagntgnng ncnagaggat cacanncnnn tgtntnntan 180
ngncaanatn tgcnanaaca gttactngnn ctnnnggnat gngnnncctn nagtntnnga 240
gccnntgcnn tncatgttc 259

<210> 251
<211> 257
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(257)
<223> n = A,T,C or G

<400> 251
agtgctcggc tgctgccagc tgctcccaat gtgccgatgt ccgtgggcag aatgactttt 60
attgagctct tgttccgtgc caggcattca atcctcaggt ctccaccaag gaggcaggat 120
tcttcccatg gataggggag ggggcctgtn acgngctgca gngacaaacn tangccgntg 180
gganttangn ntntttcant cattntangn tgnnataann nccataannn ctngnatnng 240
tatnnnntna ctnncnt 257

<210> 252
<211> 300
<212> DNA
<213> Homo sapiens

<400> 252
caagtgccga gacccgaccc tgggcgtggt gcatcgaggt agatgcaaag atgctggcca 60
gagcaagtgt cgcctggagc gggctcaagc cctggagcaa gccaagaagc ctcaggaagc 120
tgtgtttgtc ccagagtgtg gcgaggatgg ctcctttacc caggtgcagt gccatactta 180
cactgggtac tgctggtgtg tcaccccgga tgggaagccc atcagtggct cttctgtgca 240

gaataaaact cctgtatgtt caggttcagt caccgacaag cccttgagcc agggtaactc 300

<210> 253
<211> 300
<212> DNA
<213> Homo sapiens

<400> 253
gctgcagcaa ctgctgctgc cattgcaacc gcagctccgt tgataaaggt gcagagtgat 60
ttggaagcaa aagtcaattc tgttacagaa ttacttagta aattacagga gactgataaa 120
cacctgcaac gtgttacaga gcagcaaaca agcattcaga ggaaacaaga gaaattacat 180
tgtcatgatc acgaaaagca aatgaatgtg tttatggagc agcacataag gcatcttgaa 240
aagttacaac aacaacaaat agatattcag actcatttta ttagtgctgc actcaagact 300

<210> 254
<211> 300
<212> DNA
<213> Homo sapiens

<400> 254
gggaaaacaa aaggtaatag gaggggtgct gggagaacaa ataggaagaa aagggaaaac 60
ccagaaatag taattgttag tacccctgct acttgactgt tgaaaatgct ttaaaagttt 120
gttctgaatt aggagaaaag gcgctccctc aaccaggctg aaactaccac cagtgttgtt 180
gccagaaacc tggagcagga aggagctgct tctcccctcc gccttccagt cacccaccat 240
taatacctgc tattggcaag gcccatctgg atggcagatg gcaaagcagc ctggaaagtg 300

<210> 255
<211> 300
<212> DNA
<213> Homo sapiens

<400> 255
gtttgagctc ttgagccagt gacttccctg cacgttcagc tttctccttt gtgaaatggt 60
aatagaagca cgctgcactt gggattcttg tggattacat gtgagggtct tagaaacact 120
tgatgtgtaa gccaactatt atgtattact gtatatggaa cacaagggat gtagccaaaa 180
ctaaatgcaa gtttgtgcct cagatgtctt cctatcagaa cagagtcaaa tccagatttt 240
gatgcttaaa tgtgacagct tattcagatt tagaaaaact tttggtatgg gccaaagaaa 300

<210> 256
<211> 275
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(275)
<223> n = A,T,C or G

<400> 256
agcactgtga gtgaaaataa aaccaggagc agggttagca tatctggatt ttagtctgag 60
ctctttgtca aaaaagtcct gggcctcagt ttctttatta ctgaaggaga gaatcaactc 120
tgtgattcta agttataaac caccgttatt aaagttctac tggagccaaa actccaaatt 180
gttctgtata ttaaaacttt tcggcagggc atngtngctt acacctgtaa tcccaatact 240
ttgnnaggct gnggnnnncn tatcncatgt gccca 275

<210> 257
<211> 300
<212> DNA

<213> Homo sapiens

<400> 257
ctgttcactg gcacacaatc acagtgtctt gatagttttt ctggttttga atttctggaa 60
gggaaatcct ccttctgagg agacttcact ttccgtcagt aatggggaaa actgtttccc 120
tcgggatagc agaggtcatt ttaaaagaga acactcagca gaaatgaaaa tccaaacaac 180
tgatttttaa ttcgtgtctc tttgttcagt gatgttggtc ctgattctgc ctatgagacg 240
ggaataaaga gagatttcgg gaaaagtgtg aagccaaaca tgggtgctat ttaaatacca 300

<210> 258
<211> 300
<212> DNA
<213> Homo sapiens

<400> 258
gtttctttcc catctgcctt ttcctgtctt tcagaacatt tctggggtgt tgtttgggct 60
cagcactgtg ggaagtgaag catttagcct agccagggac tgggcattat ctgtcagatt 120
accaaatctt gagttatctg tggtctacaa aagaaaagaa ggctgaagga accagacaga 180
gggacagtgg cctgggaaca gagccaagat gatcatgttt tttaaccaaa gcctgtagat 240
caccgtcaag aaaggaattt ggaggatagg agtatctaca tgtagtgggg gaggtgtggg 300

<210> 259
<211> 300
<212> DNA
<213> Homo sapiens

<400> 259
ctttacatca tctattctac ctccattcac tggtcaaaga agcgcagagt taagttggcc 60
agtgtggcgt ggacacagcc aggcgcagac cctcctgcca gcgaagccag cgtgaggtct 120
gttggctcag gggtccagtc cctgggtccc cgaagaggta agccaaagac atagtgatac 180
ttggttcaat tcggctccag agagtatcag atgggaaata gatgacttgt tttacctggt 240
caaataagac atcactaaaa tctaccatga ctggaaatta cttaatgcaa ccagaggaga 300

<210> 260
<211> 300
<212> DNA
<213> Homo sapiens

<400> 260
gacatttcca atagctcctt tgtgaatttc cagatatggg attttcctgg gcaaatggac 60
tttttggacc caacctttga ctatgagatg atcttcaggg gaacaggagc attgatatac 120
gtcattgacg cacaggatga ctacatggag gctttaacaa gacttcacat tactgtttct 180
aaagcctaca aagttaaccc agacatgaat tttgaggttt ttattcacaa agttgatggt 240
ctgtctgatg atcacaaaat agaaacacag agggacattc atcaaagggc caatgatgac 300

<210> 261
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 261
cagggatgtg aggctgctgt tgggggtggg gggaggggaa tgggcaggca agccagtctt 60
ctgtcttcct ttgctaactt agggttttga gcaggttggg gtatggtgcc tgacataccc 120

09253676.060504

acctgccacc ctgggaacct cactgatctc tctttcagcc tacacctgct gatccatgat 180
gtgtgtgaat tgagggtgta tgannngnnct ncatcaaccc canagatnaa taattcttct 240
atcaataatc agntnttacn actnaatgcc attcgnattc ttgntattca caaaagatct 300

<210> 262
<211> 300
<212> DNA
<213> Homo sapiens

<400> 262
gcactcggta aactctggga ctggagccaa gagactgtga gaaatgacct ttctcatcaa 60
gtttgtccca agccaggctt aaattgatag atcgtctagg ttttctgatg ctggtaaaga 120
gactctgtgc ctcagggaca ggtctgcaaa gatcattaag aaacagatta aaattaggga 180
gcaagacaag acaagagaaa gtttctttac gttctcccag acctctctgg gcctataggc 240
agatcaaatt tggcctctag atcagcttgg acaaaatgat gtccacggtg tctgagtagg 300

<210> 263
<211> 300
<212> DNA
<213> Homo sapiens

<400> 263
cagaggtgaa gtgatgtgtt caaagtcaca cgtagaacaa gtggtggaac agacccaacc 60
agtctgatgg cagagcctgc ctctgaccac tacactgtcc tgccaactaa gcaggtttga 120
aagagctctc ttagtaaaag ccctgcaggc gggagtgagc agaagttgtt ggtatcccag 180
tgacttttg aaatgcacag gataagggag ggtggatttt ccaagccatg gtaaggcagc 240
atgacctgac ccagggtgag ggagagggtt catgatgtaa acctcagagt agctagtcac 300

<210> 264
<211> 300
<212> DNA
<213> Homo sapiens

<400> 264
gacacccaga ggcagggcat cgagcgcctc aaacgaaaga accagcccag ggagcacatg 60
gggagctggc agtcagtaaa ggagaccttt ggtggggact tctccctgaa ctggttcaac 120
cccttctcca gaccgtgtca gccagagatc cccagtgaca aagacatggt gcggcaggtg 180
acatcgctgt cagacaccga aacaatggag gatccatcag aggagacaaa ggacgaggac 240
tctgtggagg tgacagatga atagatgctg ctgtggggag agaagcaaac actaaaaagt 300

<210> 265
<211> 300
<212> DNA
<213> Homo sapiens

<400> 265
ataaaacagg aattttggag cgggttgacc gaaggttagt gtacaaattt ggaaaaaatg 60
cacacgggtg gcaggaagac aagctatgat ctgctccagg catcaagctc attttatgga 120
tttctgtctt ttaaaacaat cagattgcaa tagacattcg aaaggcttca ttttcttctc 180
ttttttttta acctgcaaac atgctgataa aatttctcca catctcagct tacatttgga 240
ttcagagttg ttgtctacgg agggtgagag cagaaactct taagaaatcc tttcttctcc 300

<210> 266
<211> 283
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (1)...(283)
<223> n = A,T,C or G

<400> 266
aggatccaat actgcctttc aataatatac caaaatacta gttttataaa tgttgttaag 60
gtggactgga aaaactaata catattttga agtatttctc tgatttattg aggatatgat 120
gggcaaaggc aagctttctc gtaggtatta tgagagcaga cagatatttt agtgtgtttg 180
ttgacatgag agagtcattg gcagcgcagg gaatagagag ggaggactgg tctgattatc 240
tggcaatggg aaattgagtt tagtacggan aattgagagg ata 283

<210> 267
<211> 154
<212> DNA
<213> Homo sapiens

<400> 267
gaggaccgtc cctctcctcc ccctttccct ctttcggaaa ggggtttctg cggggcccgg 60
gagcctcgga gtaccgaacc tcgatctccg gggcggggtc cttggtgggg actgaacgcc 120
ccctcccggg gacgggcgga ctggccgcgg agta 154

<210> 268
<211> 300
<212> DNA
<213> Homo sapiens

<400> 268
tgagtcttca aaaagtatca gaagagaacc aaaatgcttt atgacaacag cagagcttga 60
gcatcttgag aaccaacttt gcccaagaat attgattagt agtttctgcc atggtcacag 120
gaaaggagaa tttagcattt tgtgtctctg tgtgtcatac ctgaataaga gtctattggt 180
gcaaaagagc atatccaata gtgatattca taaaataagt gacgcaaaat agtccatgca 240
ggatgggcac agtatttcaa taaaatacag gtagttaagt aaaggtaatt tctagttgag 300

<210> 269
<211> 294
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(294)
<223> n = A,T,C or G

<400> 269
aaaacaaggg aacagtgtgt aaggaacttg tgcacatcac tgactggtac cccactctca 60
ttttactggc tgaaggacag attgatgagg acattcaact agatggctat gatatctggt 120
agaccatagc gtgattgtta taattttata cttttataga gcacttgata ataaatgtat 180
cctnatntct atggntttta tccgtacaag tgtgctgcat tctantgnta cattntnggt 240
ntanctatna gtaccttatn atantcnttc ttnttntcat aatttgnttt ctga 294

<210> 270
<211> 294
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(294)

<223> n = A,T,C or G

<400> 270
accgggacca gaacatgacc ggctgggcct acaaaaagat cgagctggag gatctcaggt 60
ttcctctggt ctgtggggag ggcaaaaagg ctcgggtgat ggccaccatt ggggtgaccc 120
gaggcttggg agaccacagc cttaaggtct gcagttccac cctgcccatc aagccctttc 180
tctcctgctt ccctgaggta cgagtgtatg acctgacaca atatgagcac tgcccagatg 240
atgtnctant ncttggnaac anatggcctg tggtaatgtn ncttctgatt gtgg 294

<210> 271
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 271
ggaaatttgg gaagaatcca agaagtatag gccaatgaaa acaagttatt aatacaaata 60
gtactgtata tgagagtaca cattaggaat gctgtgcttt aatgcataaa catgtttaca 120
gtggtccaca tgtgccagga gatgtgggaa tggctacccc tgaagtcata tggagaaatg 180
gggtcctcat cgcacaccat acacanncat natcnnacan atggnttana gacncttaag 240
acctganncc aancaaactt ctaggannan actcanggta nagcncnatg nnatttgttt 300

<210> 272
<211> 299
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(299)
<223> n = A,T,C or G

<400> 272
gcacgccccc ttttctccgc cacttcacca gtttctgaaa tccaacctcc cagacttcac 60
aggaagatag atattcttga gataatgaaa agtgatatct tcgcatacta aaggaataaa 120
ggttgaggta tatatgattt ttaactgtat taggggtgta tgaaccagtt taaaaacgag 180
gttttattta ctgtacagat gaatgcaaat cagaaccaat gatcccttgg cctacttagt 240
tannaccngt tcatacatcc cttanggctt ttattattat tattattatt attacagac 299

<210> 273
<211> 300
<212> DNA
<213> Homo sapiens

<400> 273
cccacacctg cctggccaac ccctggcact gatgatgcct gggtgcgggt taagctggga 60
ggagctcctg cctgcctgga tgaagaggag gtcaagactt tgtcccccac tccgcaagat 120
accctctctg ttccggagcg gtgggtccct cccctgttag gaccttgtct ccctcaggac 180
tggacctgga tcctgggcct gcagtcagat tgccagtttc acttagaggt ggaaatgtca 240
acccactggt tggaatggga agctgctgtg ttgtgagcca ccttatggaa aacccatgtg 300

<210> 274
<211> 300
<212> DNA

<213> Homo sapiens

<400> 274
tgtctttatt tttttatatc tcctaaagta aaatctgaga atgacccaag aatatttgtt 60
tcagagggtt gtctttttgt tggcaagcag tgaagcacat gtaagtttct caagctttag 120
aatatatata tattaaaaaa caaaacaaaa aaaatgaagc acagacatgt tattttccca 180
gagccatcag tccaaagtat ttcactgtat tattagaagc aacaacttct aaacattcaa 240
ctattccaaa aataagattt tcctccagta agttatcatt ctcacttgat aataagataa 300

<210> 275
<211> 300
<212> DNA
<213> Homo sapiens

<400> 275
attcgaccct ggtgaatgat gcctataaga ccctcctggc ccccctgagc agaggactgt 60
accttgtaag ctaaagctcc atggaataga gattcctgaa aggacagatt atgaaatgga 120
caggcaattc ctcatagaaa taatggaaat caatgaaaaa ctcgcagaag ctgaaagtga 180
agctgccatg aaagagattg aatccattgt caaagaaaga atttactgac aatgtgagca 240
gtgcttttga acaagatgac tttgaagaag ccaaggaaat tttgacaaag atgagatact 300

<210> 276
<211> 300
<212> DNA
<213> Homo sapiens

<400> 276
tatttactct ggaaagtagt agcagcactt caaggacata ggggttgctc atgtcagttg 60
tttctgtttg tattggaaga atcataataa caaatattta agttggtaaa ttactaggta 120
aacaggttgg tggatttttt gttatttttg agaatacttt ttagtttgat tctttgaatg 180
aatttacata acagctttcc tgtcaagtca gtaatttcac ccatctttaa aaaacaagta 240
ccaaaagagt ttcttaacac catatactcc tctagcagct gctgcctagt ttctctcctc 300

<210> 277
<211> 281
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(281)
<223> n = A,T,C or G

<400> 277
gggagaagag ccgccagcgg aacccctgtg tgcaccaacc ttccccagag ctccggagcg 60
ccctctcctc acttccaggt tttggagcaa gagcttgcag gaagcccgca cccagcttcc 120
ttctgacctt cagttcactt tgtcgccctt ggagaaagct gtttttcttt aactaaaaat 180
aaccaaaatg ctaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240
aaaaaaaaaa aaaaaaaaaa aaacnnncnc nnntaaaaaa a 281

<210> 278
<211> 125
<212> DNA
<213> Homo sapiens

<400> 278
ggagagcagg gcaagggctc ttgggcatca catccagagg ctgagggagg ggagacctgg 60
ctgtgttcgt ggaactgaag gaccactttc gcgactagac cttagccagg gggaggtgtg 120

ggagg 125

<210> 279
<211> 254
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(254)
<223> n = A,T,C or G

<400> 279
ctcctggtgg cttcaaattt actttctccc actctgccag tgctgctaat ggaacaaaca 60
gtaaatctgt agtggctcag ataccaccag caacttctaa tggatcctct tccaaaacca 120
caaacttgcc tacgtcagta acagccacca agggaagttt ggtngnntta gngnattatn 180
canntgatnn ngangaanan caannaaatn nnttntnnng aatnngtttt tttaananan 240
ngnttctnnt taaa 254

<210> 280
<211> 300
<212> DNA
<213> Homo sapiens

<400> 280
gtgcccaagg cgcccggact cggcctggtc ctggagaggg tgcacttcga gaagtacaac 60
cagcgctttg gcaacgatgg gctgcatgag ccgctggact gggcgcagga ggaaggaaag 120
gtcgcagcct tcaaggagga gcacatctac cccaccatca tcggcaccga gcgggacgaa 180
cgctccatgg cccagtggct gagcaccttg cccatccaca acttcagtgc caccgctctc 240
acggcaggtg gcacgggcgc caaggtgccc agtcccctgg aaggcagtga aggggacgga 300

<210> 281
<211> 300
<212> DNA
<213> Homo sapiens

<400> 281
gctttagctg ttagaaagga acccccgtga catgacacag acacacgtga acacccagcc 60
cgccggtcct agcagccagc tgtgaaagct gtgtcaagtc acgggggttc ccgtgtgtct 120
gtgtcatgga tgcaatgcgg gccctggagg actgtgcgtc acccgtcaac cagagcgtgc 180
ctccgggcca gcttccctcc aaggaatgag tggatttcat acaggatctc tttattgcac 240
agactgaatg gctttacatg tttctaatgt gaattaggca tgtgaagcag tgggtgtcca 300

<210> 282
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 282
atacatggaa gtctcaaatc tgaattttta tccatctcaa tatgaccatt tctctctgtt 60
gggagctgaa cagattaagt atatatctgc caggttggga aatattttgg tctatctttt 120
cctgtcatca gaacttaatt taaaaaaatt atcaaaggtc agatgtgact actacagtaa 180
gttggctatc ataaagaata ttccataaaa tgttttatct gccatacaaa attactgggt 240

ttatggccgg atgtggtggc tcatgcctgt aatcccanca gntcaggatt acngggtata 300

<210> 283
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 283
gctgcttcgg ggactcagcc agaaagctac tgaggtgctg agcgccgtcc tcaaggatct 60
ctaccacctg ctgaagcacg tagtgtgtct ggagcccgat gacgtggcca agctccatgc 120
ccagttggcc ctagaagagc tggatgacat catgaaaaac ttcctgttcc ctccacagaa 180
gctggagaag aagatcatgg tcctgccgta gacctggctc caaggacngt ggaggaggca 240
gncanggcca ggnacccaga gncgtgccca ggtctttcan caggtggcct gctgcctctt 300

<210> 284
<211> 300
<212> DNA
<213> Homo sapiens

<400> 284
gctacacaac actgctaact tgactgtagc tatgtaataa cattagatcc cctaattgta 60
attatattgg gtttgcacag aacactttaa tcttcccctc accaatgtga agtgaggaat 120
caggagtcaa actgtagaac taaaatttga cttcagtcta gcgtttcctt ggtgttttta 180
ggttgctttg gtaagtttag gtttgctata tttctgattg cttagaattt tgttttagcc 240
ctttaaaatc agatcataaa tatgaattca tacttctaag gaattttctt gctataagct 300

<210> 285
<211> 286
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(286)
<223> n = A,T,C or G

<400> 285
atctgtatat ctttcctttt gtttacaact gttaaaaaac ctcaaaatag ctctcttcaa 60
aagaagagag attccaagca acccatcttt cttcagtatg tatgttctgg acatacttat 120
cggagcgcgc cagctaagng ntcaagcata tanacattgt cngntggnan ngnctngttn 180
acagccactn nngcattggn tncacgccnc nggancncgg tgnggctctn ncncntantn 240
ccntnnntnt gcnnttaccn cctcnnnnnn ncnntatntg gccttc 286

<210> 286
<211> 300
<212> DNA
<213> Homo sapiens

<400> 286
ccaacctaaa atatcattat tttcaatact taaatattag cccatcattt tttatcttca 60
gatgtctata attggaagcc tatatagaaa tggttgatga gcctatcggt tgaaccactg 120
cagagaatag agtgatggtc ttagggcatc ctgtactttg catgctcctc ctggaagtaa 180
agagtaagac agagaatagt aataatcacc cattccagaa ctggttgcac aacatcacaa 240

aagcttgtcc agacttatta gcaagttaat aaaaaactag acttctttct aagtacttat 300

<210> 287
<211> 300
<212> DNA
<213> Homo sapiens

<400> 287
ggtgggtggc agagggaaat ccaacatgca gactgtggca gtgtcttgaa cttctgttta 60
ttcaggtcat tgaataagaa actcttttct tctgcattcc tgtctttctg catgtgtgtg 120
tgtgtgtggg ctgggtaggg actgtttttg agatcactgg gctgaaatgt attctagggg 180
tgaaggatct aggatgtacc tgctcgtcat ttcctgactt caccttttac caattctttt 240
cttaacaaat ttaaaattgg tcagagcagg agctgctagc tggcttttta acagtgtttc 300

<210> 288
<211> 300
<212> DNA
<213> Homo sapiens

<400> 288
gtcacatcct cttaagtcag gaactatctg tataaggaaa caagatttcc attttatcat 60
ttgaaatgta tttgactttg tttcactagt tgcattatcc ccatggaaaa cttcacattg 120
agaacttacc attatatatt tccataaaaa tgcatgaacc atcccttagc taagtaagga 180
ttttgtaatg ttctctcaat aatgttgctt ggcaaagtta atatttttttg tatgctgatg 240
aaatttagaa aagtccaata ttgagcttga ttgcaaactt agaaaaactc aagacttctc 300

<210> 289
<211> 300
<212> DNA
<213> Homo sapiens

<400> 289
aagggaagca ttccaaagat tttcactgtt tatgttcaaa ttacaacatg tgcagaaagt 60
tgtgcaactg aaaatccttt caaacaacag ctacaaaaga gattggtcag ttaggacagg 120
aatagaaagt ggaaacttag aagactggct actccttgtg tatgattgct ggggtgagtc 180
tgtgctgaga acttttaca aagggtgtcc tttgctgata tgagaggggg gtgtcaaact 240
tttgagtgat cactgtgggt cctcagctta gacatcttct ctggcccaag atggcacccc 300

<210> 290
<211> 300
<212> DNA
<213> Homo sapiens

<400> 290
ttgcttcggt cactagccca ggagacattt ccccacccat agacctagtc aagaaagagc 60
cttatgggct ttcaggactg aaaagagctt ctgcttcttc tctcagatcc atctctgcag 120
ctgaaggaaa caagagctac agtggatcta ttcaaagctt aacttctgta ggttccaagg 180
agacacccaa agcttcacca aacccagacc tgcctccgaa aatgtgcagg agattaagac 240
tagacactgc ctcaagcaat ggctatcagc ggcctggctc agtagtggca gcaaaagctc 300

<210> 291
<211> 300
<212> DNA
<213> Homo sapiens

<400> 291
cgcgctttga aaaaatgaga tcagcaaaac gcaggcaaca gacctaatac atttcaaaac 60
ttgatatttc attttgcgtt ttagctagag aagttttcct tgtgacttac taatggctgc 120

aatgccaatg attgtaagaa aacaaacaaa tttatcatga aattctcctt gtcattttat 180
aaatgcctat tttaacatca tttatggttc cagagatgca tacacttttt tctgacaaga 240
aaaagtaaaa ggtgatgagg gcaattctgt cctactgttt ttacaggcct ttttcaaatg 300

<210> 292
<211> 300
<212> DNA
<213> Homo sapiens

<400> 292
ctcaagcaaa gttcctgtag acaaagtaac accaagtact cttccagaag aggtactaga 60
ttttgaaaaa ttccttcagc aaacaggagg gcgacaaggt gcctgggatg attatgatca 120
ccagaacttt gtaaaggtga gaaacaaaca taaagggaag ccaacattta tggaagaagt 180
tctagaacac cttcctggaa aaacacaaga tgaagttcaa cagcatgaaa aatggtatca 240
aaagtttctg gctctagaag aaagaaaaaa agagtcaatt cagatttgga aaactaaaaa 300

<210> 293
<211> 299
<212> DNA
<213> Homo sapiens

<400> 293
aacaacaaaa atctgaacag aaatgctcta tttacgttct tttccttatc tgtagtgttt 60
taaagtcatt aaacttaaaa atgatgttca ggagaagatg agtgtatttg catagtctgt 120
cataactctg gtattatttt gtacaaggag tgtgttaggg ttttcagttg taaccatgca 180
gaaaatctac aaaataaaag cagttgttaa ttagtccttt acaatcagaa ttgtctattt 240
tggaaattta tgaagtactt cagatgtaat ttaagaaatt gtatttgagc caagcgtgg 299

<210> 294
<211> 300
<212> DNA
<213> Homo sapiens

<400> 294
attagaccaa aaaaatggga tgcgtgtggg acagctttta aagtgtttga aagattttgc 60
attcaacatt caggctatca gtgactcctt gagtgaacta tgtgaaaata agcgtgacaa 120
tgtagtcctg gcatttaaac aattgagtca aacctttat gagaaacttc aagaaatgca 180
aattcaaatg agtcaaaatc atttagaata acaccatgga aaactttcaa gtctgattat 240
gtggtattta tccctttgca aggagagata taattaagct tacacaatga aatggaaaaa 300

<210> 295
<211> 300
<212> DNA
<213> Homo sapiens

<400> 295
gtaatccttt ctttttcttc tccctctttc ctgctcttac ttatacagtt aggtgaatat 60
gatgctccac ttcccccaca gatactcaaa tagctctgac tgctgaaata ttggtatctt 120
actgtcagca cataacttgt tgctgtgtta ttgacatttt cactgttttg aaatttttac 180
tgttatctgg gtttgaatcc cagctctccc aagcttcagt tttctttcat ttgtcaaatg 240
agataaaagt atccacttca tagggttgtt atgaggatta atgatgaata caaaacactt 300

<210> 296
<211> 300
<212> DNA
<213> Homo sapiens

<400> 296

gtattcagta agtaccaact atggtgctaa cgtgagttcg atacgaaaaa agctgagatt 60
catctatatc cattttagag gaaagaagtg ctatgacctt tccaaacttt catttctcta 120
tcccaaagtc tcatctaaac agattttact actttatgat ctatgtttaa agtccttggg 180
ataaaaagaa caaacccaag aatgaggagt cttacttcta cacttttatg atttcttata 240
ttggcattag acataaacat gtctgagagg ctgtctggtc caactgtctc tggtcacttc 300

<210> 297
<211> 286
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(286)
<223> n = A,T,C or G

<400> 297
ggccctaata cactctttgc cctgtggcct ctccctttc ccccttctg gttggaggag 60
ggagaagtgg caantgnngc ncncacagan nanctgactn gttgactncc ttatgctacc 120
ntgggtgact ncatattgcc cctnnatgat tncaacacca natatagcaa atgacattta 180
catgctatga aaacatctat tgggtaaaat cagatcttgg atanagaaat tctcgacttt 240
tatataannt tttgntanac ngnananaca gaaanggntt aagtgg 286

<210> 298
<211> 166
<212> DNA
<213> Homo sapiens

<400> 298
gattcatctt cttgttcttt aaaagtcaaa aggctttttg acctttaaat aactcttaca 60
tctggtcatc actgttgaaa tgttctacta aattttcaga gtggaaaagt tttaggctta 120
aaactgactg gtaaaaatag aatatttctt tgtattgatt tttcag 166

<210> 299
<211> 300
<212> DNA
<213> Homo sapiens

<400> 299
tgaaggtcta caacccagtt agggcagaat ggaggcaaat gaataatatt cccttggtct 60
cagagaccaa caactacaga attatcaagc atggccaaaa attgttgctc atcacctctc 120
gcaccccaca gtggaaaaag aaccgggtga ctgtgtatga atatgatatt aggggagacc 180
aatggattaa tataggtacc acattaggcc tcttgcagtt tgattctaac ttttttgcc 240
tctctgctcg tgtttatcct tcctgccttg aacctggtca gagtttcctc actgaagaag 300

<210> 300
<211> 300
<212> DNA
<213> Homo sapiens

<400> 300
gttaaccttt tcaggctcca ccatacccag gctcttacct tagcagaagc ctgtgaagct 60
ggtagcagaa acgagaagga acaaaattaa ctccaaggca gtaagccatc cacaagacca 120
ctacacgaag ttaaggctgt gtgaaagagg gagtttattt aattttattg ttaaagaggc 180
aataaaatat ctagagaaac agtccattaa aaaattggca aatccagcct ggccaacata 240
gtgaaacccc atctctacaa caatacaaaa attagctggg tgtggtggcg catgcctgta 300

<210> 301

<211> 300
<212> DNA
<213> Homo sapiens

<400> 301
cgggagtgaa ggcgcggagg cccgagaaag gataaacaag acaccgcctc atcagataag 60
aacgtctcct tcgatgtcac ggatttcaag aggtagctgg agaaactgac gtcaggagtg 120
tcctgtgaat gaacatcgcc cgaggcctag cacccacaga agaagggttc tattttactc 180
tactttgctt gatattattt attttctaac aaagtgatcc gtagtctgca accttaggct 240
ctgacaggca aagcccattt cttagctctg gggatggctt gcagggtctc cacctctgtc 300

<210> 302
<211> 300
<212> DNA
<213> Homo sapiens

<400> 302
gagttggtca ccgtggccca ctatgacagc cccgaggccc tgagccacct ctgctgccgc 60
ctggtcagta ggggaagcaa ggtgaccgca agggggtatg atcagcagcc cacttgttcc 120
agggttcacc ggggccccca accgtttcta ctgcagccaa accagatagg ctactggtgg 180
ggcaagtcca aggtctccga ccatgccacc tgccctgggg gctcccctgg aaccccggcc 240
cctggattca gctctgcagc ctcctccgca ctcaggatca gccctcctgt cctgcactag 300

<210> 303
<211> 300
<212> DNA
<213> Homo sapiens

<400> 303
gatacctgtg cctgacacat ctgggcaaac tgtggcactc aaagcagatg agaaaaccat 60
gaaagaatcc aggaggaaaa cagatttctc acgaaggaaa ggcgattcca tggacagctc 120
ccttcttagt aggaactgtg gaaaccagaa gtagctttaa agtgctggga taaaactgtc 180
tttcaaggat aagagtgaaa acaaagacat actcagacaa aaactgaaaa catttaccac 240
aaacaaactc accttaagca ggcaaatggc cctcgatgtg gaaagcaaag ctcaggggac 300

<210> 304
<211> 300
<212> DNA
<213> Homo sapiens

<400> 304
cctcgtccca ggaggccacc cctgagaaag agtccctggc tgagtcggca gccgcctaca 60
ccaaggcaac agcgcggaag tgtttgttgg aaaaagtgga agtcatcacc ggggaggagg 120
cggagagcaa tgtgttacag atgcagtgca agctgtttgt ctttgacaag acctcacagt 180
cctggcttct ccgccaccca cacccttccc accctgctgt ggggccctgc ctttgtgggg 240
agcagccagc cctctgcccc tgcccagggc tccccaacta taggcctggg acccccgccc 300

<210> 305
<211> 300
<212> DNA
<213> Homo sapiens

<400> 305
tgttatttct cagcacgtat gtagcagatg aggaaatgaa ggctaaaggt catatatcta 60
caaagtgggg aggtcagact ttgaacccac aacctgactg tggagccact tcagtatact 120
ctctccccat aagaaagttc caatagaaaa aaaatgctac ttaagtaggg aaatcacaaa 180
ataagtgcca atgaacaata aatgttcaac ctcactacag ttaaaatgta tattaaagca 240
agagttgaga tgacactttt ccttataaaa cagacaggga ttcagggaca ttgggactct 300

<210> 306
<211> 300
<212> DNA
<213> Homo sapiens

<400> 306
gccatgtacc gggttccaaa gaaaactaat ttatcagact ttgagctgga agtatccgaa 60
aggcattcat gttgagactt tagaaactga aaagaaggag cgatatatag ttatcagcaa 120
agtagatgaa gaagaacgca aaagaagaga gcagcagaaa catgccaaag aacaggagga 180
gctgaatgat gctgtgggat tttctagagt cattcacgcc attgctaatt cgggaaaact 240
tgttattgga cacaatatgc tcttggacgt catgcacaca gttcatcagt tctactgccc 300

<210> 307
<211> 268
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(268)
<223> n = A,T,C or G

<400> 307
aaaaagcatt caacatgcaa ataggtggta tatgttgata tcttggcctg actggctgct 60
aatttctgaa tcaatctgtt tgtgcattta agtcatttat tctctatttc aaaaagattg 120
aatctattaa agtcttaaga tctgtcttcc attataatgg tgaaagattt tgaccagata 180
agggaaaaga naacacaaca gcttgatttt gggaacncag atcttctcan agggggccac 240
tttacanaga gattgntcac cnatngca 268

<210> 308
<211> 252
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(252)
<223> n = A,T,C or G

<400> 308
ataagacacc aaatcaaagt ggtgatagta aatatcattg ccttggttct cacctcagag 60
actagtgttt caccattaag tgtgatatag cttagttttt tataaatact tgggagtgaa 120
tttttaactg ggtcatagag gattgttgga tttcagcang tagaaatcag nggaaattan 180
ntctccagac acngggaaga gacnctagtn gnannncnnn tggnntnctt tggctntaga 240
ttanngggan at 252

<210> 309
<211> 268
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(268)
<223> n = A,T,C or G

<400> 309
gaaagattct caaggaagaa gtaataaggc attacatctg aagagtgatg ctgaatttac 60

aaagatattt ggccttacta aggatttgag agtgtgcctt actcgaattc ctgaccattt 120
gacctctgga gaaggtttcg attcctttag cagnntggng annantnnnn cnnnntnntg 180
tcacnntnnn tttgcctcnt nnctnntntn tcncnntcnc ntnnnnggnt atngtcnncn 240
nnnnatnttn ttnnnnttnc tcctcttt 268

<210> 310
<211> 295
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(295)
<223> n = A,T,C or G

<400> 310
ggagcggcag gcccaggccc aggagagtga ggaggaagag gagagccgga gcaccaggac 60
actagagcaa gagatcgaac gcctgagaga agagggttcc cggcagctgg aggaacagca 120
gaggctcatc cgggagcaga tacgccagga gcgtgaccag aggttgagag gaaaggcaga 180
aaatactgaa ggccaaggaa cccccaaact aaagctaaaa tggaagtgca ngaaggagga 240
tgagtcaaaa ggtggctact ncaaagacgt tctcctacgn cttttgctta agtat 295

<210> 311
<211> 300
<212> DNA
<213> Homo sapiens

<400> 311
aagagaagct atgaaaagct tcagaaaaag caaatgaggg aattcagagg aaataccaaa 60
aatcacaggg aagatcggtc tgaaattgag aggttaactg caaaaataga gcgcctcacc 120
atgagggtca atgacttggt tggaaccagt atgactgtcc tacaggagca gcagcaaaaa 180
gaagaaaaat tgagggaatc tgaaaaacta ttagaggctc tgcaggaaga aaagagagaa 240
ttgaaggcag ctcttcagtc tcaagaaaat ctcatacatg aggccagaat acaaaaggag 300

<210> 312
<211> 300
<212> DNA
<213> Homo sapiens

<400> 312
cccatcctat gggttgtctt ttgacttttt ggttagtgtc ctttgaggca cgtaagtttt 60
ttaagttttt ctctgttttt tagcatcata tctaagaatc tactccaaat ccaaggtcac 120
agagatttac catgtgtttt tatctaaaag ctgtatagtt ttagaagtca gttcctctgt 180
cctaccagcc acatttcagt gatcacatga tgtggctgat gtccacagca cttgtcagtg 240
cagataaaga ccatcataac agaaagttct tttgcaaaaa aacaactttt ttttttttg 300

<210> 313
<211> 300
<212> DNA
<213> Homo sapiens

<400> 313
gaaagaaaat attttcacat gtatctagca gcaatatagt ttacaataaa ccctaggtgg 60
tataatgtga tgtacattac acatgaacta tctacactca ctaaaagcca ttatttaaga 120
gtaagctcac atagcacacc tatttccttg gtgttgcaaa gcttgaggtt gcacagcttt 180
ctcattttgt agagcaaatg acagttttca tcaacagacc aatggattca cagctaagaa 240
taagacaact tgaaaactcc acgttttaca aaatcatttt ctattaaatt ataaaaacct 300

<210> 314
<211> 262
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(262)
<223> n = A,T,C or G

<400> 314
acctcaaaaa aaatgctgat atcctaaaat attcctagta tcctaaaata ttccataaat 60
cagatatcct acaaagccaa actggtcctt cttgttaaaa ttaataagat tctataagct 120
gttaaccaaa aaagtttcca ctaacactgn atacttanct ctcctaanta catnnattta 180
ngcttgctgn nantnntann nggnccntnn ttgnnnnnac ttgncncnna gctattnnnc 240
acnatatccn gtgnntnagt nc 262

<210> 315
<211> 300
<212> DNA
<213> Homo sapiens

<400> 315
gctgttgcac ttgccacgtt atcttggagc ctcgggttcc ccgcgtcgcc tgtggtggtc 60
cccgtccctc gacaccatct cctcggtggg ctcttggcgt ggtcggtcct ccaagtcctc 120
ggcccactgg aatcaggtag tgtcagaggc ggagaagatc gtggggtacc ccacgtcctt 180
catgagcctt cgctgcctgc tgagcgacga gctcagcaac atcgctatgc aggtgcggaa 240
gctggtggca ctcagcaccc tctgcttacc acagccaggg ggcttgtaca tgacagctgg 300

<210> 316
<211> 300
<212> DNA
<213> Homo sapiens

<400> 316
ctagagcaag agatcgaacg cctgagagaa gagggttccc ggcagctgga ggaacagcag 60
aggctcatcc gggagcagat acgccaggag cgtgaccaga ggttgagagg aaaggcagaa 120
aatactgaag gccaaggaac ccccaaacta aagctaaaat ggaagtgcaa gaaggaggat 180
gagtcaaaag gtggctactc caaagacgtc ctcctacggc ttttgcagaa gtatggtgag 240
gttctcaacc tggtgctttc cagtaagaag ccaggcactg ctgtggtgga gtttgcaacc 300

<210> 317
<211> 300
<212> DNA
<213> Homo sapiens

<400> 317
gagagtggct accttaaaaa tgcaaagttg aagaactgta acctcagagg agcaactctg 60
gcaggaactg atttagagaa ttgtgatctg tctgggtgtg atcttcaaga agccaacctg 120
agagggtcca acgtgaaggg agctatattt gaagagatgc tgacaccact gcacatgtca 180
caaagtgtca gatgagaatt ttaggggctg gaggaagatg taaaagatga aaatgttttc 240
cttatcactt ttctttctcc acccactcag ttgtctagaa gaaataacac tgtaaggaaa 300

<210> 318
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 318
tcttcagaag gtcaaagcaa aacagaatct gatttttcca acctagactc tgaaaaacac 60
aaaaaaggac ctatggagac tggattgttt cctggtagca atgccacttt caggatacta 120
gaggttggtt gtggagctgg aaatagtgtg tttccaattt tgaacacttt ggagaactct 180
ccagagtcct ttctgtattg ttgtgatttt gcttntggag ctgtgganct cgtaaagtcn 240
cacttgtnnt acanatcaac ccangnnttt tgccttnntt catgatgant nngatgatgg 300

<210> 319
<211> 300
<212> DNA
<213> Homo sapiens

<400> 319
ctcaccaccc ataccctccg tccccgccg gcctaccact atctagacac ctcctgccct 60
ctccatatgg ctccgcggga ttgtttccct ccctagcccg acttctccaa taaacagcaa 120
cttcctgctt ctccagcaag tcgcataaga agaactggaa tcttgacact acaactcctg 180
acaggacgcc cctgcggcat ccagagacag ggaagccagt gctgctctgc atgttcaggg 240
cgagtagctg agagtctcct tccggcctgg atactgagga aggtgactta gactttctct 300

<210> 320
<211> 291
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(291)
<223> n = A,T,C or G

<400> 320
gtgacttctg tggaaaaaaa attaattctt taccattgca gcgttctgcc ctaggtccaa 60
atgttaccaa aatcactcta gaatcttttc ttgcctgnaa ganaangngc tnacanganc 120
agattgttat nctngaacag nactgggaat nagatcantt atgatnnntn tancggtnat 180
tngcnccntt gtttannтat tcnnnataca tgnttntntt aattataatn ccacttttct 240
anattatttt gtagtcggna actcaanact ttttnnntca gtaagttgtt a 291

<210> 321
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 321
tcttcagaag gtcaaagcaa aacagaatct gatttttcca acctagactc tgaaaaacac 60
aaaaaaggac ctatggagac tggattgttt cctggtagca atgccacttt caggatacta 120
gaggttggtt gtggagctgg aaatagtgtg tttccaattt tgaacacttt ggagaactct 180
ccagagtcct ttctgtattg ttgtgatttt gcttctggag ctgtggagct cgtaaagtca 240
cactcgtcct acagagcaac ccagtgtttt gcctttggtc atgatgtatg ngatgatggc 300

<210> 322
<211> 300
<212> DNA
<213> Homo sapiens

<400> 322
gccacgtttg caaaaatgca gcaaaaaagt tacttagtct ggctgtttag tagaatttac 60
ctctactcat tcatcagcct ctttatatat atgattttaa gtcttttcat tgcactgatc 120
actgatacat acgaaacaat taagcaatac caacaagatg gcttcccaga gactgaactt 180
cgtacattta tatcagaatg caaagatcta cccaactctg gaaaatacag attagaagat 240
gaccctccag tatctttatt ctgctgttgt aaaaagtagc tatcaggttt atctgtactt 300

<210> 323
<211> 300
<212> DNA
<213> Homo sapiens

<400> 323
agaaggtcgc ctctaccttg cccagaacac aaaggtgctg cagatgctgg agggaaggct 60
gaaggaggag gacaaggata tcatcaccag ggagaatgtt cttggggccc tgcagaagtt 120
cagtctcagg cgcccgctgc agacagcgat gattcaagac ggcctcatct tctggctggt 180
tgatgttctg aaggaccctg actgcctgtc tgactacacg ctggagtact cggtggcttt 240
gctcatgaac ctctgcctcc gcagcacagg gaagaacatg tgtgccaagg tggcaggcct 300

<210> 324
<211> 285
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(285)
<223> n = A,T,C or G

<400> 324
gcacctgtag tcccagctac tcaggaggct gaggcaagag aatcacttga acccaggagg 60
cagaggttgc agtgagctga gatcacgcca ttgcactaca gcctgggcaa caagagcgaa 120
actttgtcta aaaaanaaan cactgggctt attcatgctc tgatcacatc tntcgtaaaa 180
gcttaagctc tntccggggt ccgggttggc cgtnccgtgn aattctggtn ggccngnntg 240
nggtctctgn aaatgtggct gncngctnag ancnnnnact ctgac 285

<210> 325
<211> 293
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(293)
<223> n = A,T,C or G

<400> 325
gcacaccctc ccgtggtggc tgttcctccc tgtcacctgc ctcctcatca tggaaggggg 60
ggggctatga aagccggtct caaagataac tgcatccttc attccaggaa agccctagaa 120
ttagggcaca ttgcaaactg aaatatgact ataattctta tgggaccaaa tttaagcaat 180
ttttgttttt ggctgaagag acaccaaaat attagaggac aaatattttt agatccattt 240
aaggagtttt gaagtgccta ntangaccta tttgncagtg gngnnattta att 293

<210> 326
<211> 300
<212> DNA
<213> Homo sapiens

<400> 326
ttgtgaacca gatgatgaaa gtggctatga tgttttagcc aacccccag gaccagaaga 60
ccaggatgat gatgacgatg cctatagcga tgtgtttgaa tttgaatttt cagagacccc 120
cctcttaccg tgttataaca tccaagtatc tgtggctcag gggccacgaa actggctact 180
gctttcggat gtccttaaga aattgaaaat gtcctcccgc atatttcgct gcaattttcc 240
aaacgtggaa attgtcacca ttgcagaggc agaattttat cggcaggttt ctgcaagtct 300

<210> 327
<211> 300
<212> DNA
<213> Homo sapiens

<400> 327
gttgcactgg tgcctcccct cgaaccgcca agcagaaacc ggacctcaca gctgactggg 60
aactggacat gtggaagagc tgctggctgc atcagggaac aggaggagga agagggtcag 120
ggtggagagg aagatcagtc agtgggcaca agacagtcaa atgggcaagg cctgcctcgg 180
ggaactagaa ccttccagga tctggagccc gggagagcca cactgtgggc ttaatgtgaa 240
tagaggaaca agtgggtatc tctgccaggc accccacttt ctcctagtaa catgggctca 300

<210> 328
<211> 300
<212> DNA
<213> Homo sapiens

<400> 328
ctggtcaggg tttgactcag gaagctgagt tccagcttgt ttccttggca gcactgccaa 60
agagttagac caagctgcag cttttgaggt gaaaggggat ggaagaaagt actgttactt 120
ttccacttag aatttttgga ctttgttctt aatgaatagg ttcattttca atttcaaagc 180
aaagtgttaa cattttgaa atttgtctca attctaaagg ccaaacttaa atatgtctcc 240
tcctactggg gcatggagca agttattcat caaatacaga ttctcgcatg gaaaagaaag 300

<210> 329
<211> 300
<212> DNA
<213> Homo sapiens

<400> 329
aatggatgct catatattgc ttatggatat tttggatacc aaagtaggaa taactgacat 60
tcagtatttt aaagctggca aacctgtaca tagaaaatag atccccagac agtggtctat 120
gaagagggca gttaagtatc aaatacttaa ttttcttgcc tttttttctt aagtggggaa 180
aagtttctag atctcttaca cctctgacac aatctgttct aaaacaggca cttgtaatgt 240
tggggcctcc ttgtaaacgg tgtttttgcc ctttactctc tgggattaca ggcgtgagcc 300

<210> 330
<211> 300
<212> DNA
<213> Homo sapiens

<400> 330
gccaggctgg tctcgaactc ctcacctcaa ctgatcatct gcctcggact aagtgctggg 60
attacaggcc tgagccaatg cgcccagcct actttctata aaagtcgtca tgtctctgcc 120
cccacccccc gccacccccc acatagtctg tttcatttga ttttcccctt agtttagtgt 180
tttattttga tgtttcttca gatgccttgg gatcattcac tgttcctcat atttaagagc 240

aaatgcttaa aaattcttag aaataccttc ttgaaaagcc tgcattccta ccacctctca 300

<210> 331
<211> 300
<212> DNA
<213> Homo sapiens

<400> 331
tcgagaccag cctcagtaat gtagtgagac cccatctcta caaaaaaata aaaataaaat 60
aaaatttcta agtacttgtc tatttgcagt ttactattct tgctagaatg tatctcttca 120
gggttttggg gtttacctat gccccccttca attttgggtt ctctcaaatg ccagatgtat 180
ctcctagaac tctttgggat ttttagctct ctaatacctt tagacattta aaaaatatat 240
attttggatg ttttagttat cttcagaggc aatgttaatc cgaattatca aggtagtcat 300

<210> 332
<211> 300
<212> DNA
<213> Homo sapiens

<400> 332
gaaacgctga ctctgcctct tagcccctgg gttgaagccg actagagaat ctcagacgtg 60
cttaaccggt ctgttgggct tccctgccct tttccagtcc caggtttcct ttccctgctc 120
ccttcctgct tctaatttca gccaaagaga aagcaaagat ttagaaaaga agggtaggaa 180
gaagctggaa tttgaattgg caagagaagt ttgaggttgt cttttctaga tcaaaacaat 240
ttttaatagg ctgatgttca catgttgcac tttctaaagc ccgtgcttga cctcctaagg 300

<210> 333
<211> 300
<212> DNA
<213> Homo sapiens

<400> 333
ccatcataga gcatttaggt tcttttcact ttctgttgtg aataatgcaa tgttgaatct 60
gagttcatta agtgaagagt ccagctgcac actgcaggcc cagtctggat gtaggtgctc 120
agatggttct ctttgagaca ggctttatcc tttggctctc attttttga tgagtgtaca 180
tggcatgagg gacacagatt ccgctagaat tcaaatccca cttgtgtata acctagggca 240
gtgtgccaca tctctgcaca tctgttcatt gtaaggatta catgtttagt gtatataaag 300

<210> 334
<211> 300
<212> DNA
<213> Homo sapiens

<400> 334
ctgggaagga ataattcaat ttgattggca gatatatata atacagtagg agaataatgg 60
gagaaagata aattgagact agaataggta gactttaaat gcctgtctgg tttaggtatt 120
tgaactttca aggtgtggta aatgtttgag taaaggaata atgtgtccaa agattattat 180
ggaattgtct ctctgcatac ctctatcgct gtttgtcaca gctgtgttct tatgtgactg 240
attcttcctg aagattagaa actcctcaaa gactggttat tagagcttat tcttcattat 300

<210> 335
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)

<223> n = A,T,C or G

<400> 335
gttggaagtt cctaattctt tcctcggtta actgtgaaac tctgcgtatt gggaaggcct 60
ggcctcagtc atcaggccag gagaggtact ggacgccgcg cacgcactcg tctgccagcg 120
aggcccaaag gggaagccta gcggagctca gtgtggcagc tgctggcctc tgggccggtt 180
gtgcatctaa tcatccaaaa aattcagctc anaacctgac taaagatagt actttaaaac 240
atgaaggctt ctattcagag aacttaactg aatctagaaa attcctgaaa agtagggaaa 300

<210> 336
<211> 300
<212> DNA
<213> Homo sapiens

<400> 336
gagatttctt ctaatggccc aataatatcc ttcagtctcc ccacctccaa tatccaaagt 60
tctgtcaagg atcacatact acatttggtt ctttattata gacttttaa atatcgttgt 120
ataccattgt gattctatcg tctcctttaa taaagaggag aaccagaaaa atgaaaggtc 180
ataagaggaa tgaggtttgg agaataggtg aaaaaaggca tcataatgtt tataataatg 240
tttgcctgtt cagagaaaca agaatcacag ataaagtcac ttatatgtag ataagagaat 300

<210> 337
<211> 268
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(268)
<223> n = A,T,C or G

<400> 337
gctaaacatc aaaaacagat ctggtagggg cggggaaatg agggggaaga aacatangcg 60
tgntggtgcc nttatnctgc attannaact ttanttcnat gtntgtnttn ttntttcntt 120
nancgnancc ttttatttat nttttttcct ttttctnttt nttatttntt tnntnttatt 180
nttttntgtn tttntttnnt ttttttttnat gntntnantt tgnnttantt ntnttttttt 240
cnnttntttn tattatcttt nttacttt 268

<210> 338
<211> 300
<212> DNA
<213> Homo sapiens

<400> 338
gggacccagt ggacttcttc ctgctggtgg tggtagtagg gatggtactc atgggcattt 60
tcttcagcac tctgtttgtc ttcatggact caggcacctg ggcctcctcc atcttcttcc 120
acctcatgac ctgtgtgctg agccttggtg tggtcctacc ctggctgcac cggctcatcc 180
gcaggaatcc cctgctctgg cttcttcagt ttctcttcca gacagacacc cgcatctacc 240
tcctagccta ttggtctctg ctggccacct tggcctgcct ggtggtgctg tccataatgc 300

<210> 339
<211> 300
<212> DNA
<213> Homo sapiens

<400> 339
gtcaccaact tgaaaccagc aaccatcaag gtctatgact actacctacc agatgaacag 60
gcaacaattc agtattctga tccctgtgaa tgaggatagg agctggaaac tcaattagtc 120

ctctgtgaca ttactggagg gtggaacatt cttctgtcgc ttgaagcaga actcattcaa 180
tcaaataatt taatttctct gactagtata tgggtaacaa atgaatatgt ctgaacctca 240
gctataatac tttctactac ctttgcaagg agatgggata ggaacaatca ctcagaggag 300

<210> 340
<211> 300
<212> DNA
<213> Homo sapiens

<400> 340
tgacaccaaa tgccaaccca tcccaaattt acaacatcga ccctgcccgc ttcaaagatc 60
tcaacctggc tggaacagcg gaggtggggc ttgcaggcta cttcatggac cacaccgtgg 120
ccttcaggga cctgccagtc aggatggttt gctccagcac ctgctaccgg gcagagacaa 180
acacgggaca ggaaccccgg gggctgtatc gagtacacca cttcaccaag gtggagatgt 240
ttggggtgac aggccctggg ctggagcaga gctcacagct gctggaggag ttcctgtccc 300

<210> 341
<211> 300
<212> DNA
<213> Homo sapiens

<400> 341
atcatattca agttggcagg tttgactgtt cctctgcacc agacatctgt agtaatctgt 60
atgtttttca gccgtctcta gcagtattta aaggacaagg aaccaaagaa tatgaaattc 120
atcatggaaa gaagattcta tatgatatac ttgcctttgc caaagaaagt gtgaattctc 180
atgttaccac gcttggacct caaaattttc ctgccaatga caaagaacca tggcttgttg 240
atttctttgc cccctggtgt ccaccatgtc gagctttact accagagtta cgaagagcat 300

<210> 342
<211> 300
<212> DNA
<213> Homo sapiens

<400> 342
ctggacagaa gtctattctc cttctcagca gcggtggctg cactgtgatg catgtgaaga 60
tgtctgtgac aagccactcc tttatgaaat aggatggggc aagaagcttt cctatgtcat 120
agcattttca aaagatgagg tagttgatgt cacttggcga tattcctgca aacatgaaga 180
ggtgattgcc agaagaacta aggttaaaga agcattactt cgagacacta ttaatgggct 240
taataagcag aggcaactgt ttttgtcaga aaacagaagg aaagaacttc tccagaggat 300

<210> 343
<211> 300
<212> DNA
<213> Homo sapiens

<400> 343
gagctgatcc tgcatcatgc ccgggccagc gagtgcaggg acgtggaggg gttcaaaacc 60
gagatggcca tgctggtgac ccaggccagg aagaacacca tcaccctgga gaagcttcat 120
gtgtccagcc ttctctctag tgtctttaag ttgctgatga ctcacaaggt aaagcttgag 180
agcaactttg cctccattgt gtttgccatc atggtgttgg aggggcttgg ccgctcactg 240
gaccccaaac tggacatcct ggaggcagcg aggcccttcc tcctcacggc ccagtgtgcc 300

<210> 344
<211> 265
<212> DNA
<213> Homo sapiens

<400> 344

gtgacctctg tgtttctata actatgttaa tgtgacctgt aaaacagttc acttctcaac 60
aagtcagctt cctcatattt aaaatgagaa gttgtcttga gtttctaaag atgtttaggc 120
tgcattgtct tgggcctgct caggattttg acctctgaga taaaagctgg atttaaaaag 180
ccaatccaag ccaaacacct ggcattatta gcattgttat tccatcagat ctgtttgttc 240
tgataaagaa gctgggggtg gaatt 265

<210> 345
<211> 300
<212> DNA
<213> Homo sapiens

<400> 345
tgacatcaat gagttgaagt ctactcctct catggaggct gaagaaacat ttgctgagca 60
ataatagaac ctgccacaat tatgtttctg atggggtagg acgggtcctt gcaggagtag 120
agggtctgcc tggagggcat gggtaagaat catggctcat gatttgtgtg ggacaagtgg 180
tcgcagagca gaggctctgg gtaaggagac ctggtttgag tttataacca gagacaggca 240
gttcaccaac tgagtctcag tttccttatc tggaaaatgg gaataatttg tcttctctgg 300

<210> 346
<211> 300
<212> DNA
<213> Homo sapiens

<400> 346
gtaggacagc ctttggtgaa ggagacactt tggagagcat ggtgtgtgaa aacacttaaa 60
ggaaaattaa agggaattaa gaggaaattg aagggaagga gtatatgaga agggttgctt 120
tgtggttata agctgaattt tctttaatgt attttgaaag accccggtaa agaaaggaat 180
ttcttttaat tttgcagaga atgaggagtt gtccaattag gtgttgaatt gttcttcctt 240
ggaactctca agagaggagt tgtgtttaga gatagatttg ggagctgtaa gcaagtagat 300

<210> 347
<211> 300
<212> DNA
<213> Homo sapiens

<400> 347
ctttagcaag tcactcgagg tcatggaaca tgtttttgaa gaaataatat cagttcatga 60
attctgtacc tgtttcttgt cgctgaaggg gtaagtgaca tcagcagcat gttcattcct 120
tttcttgtct tctacctgtt ctccacaaaa gtataaaaag ccagaattgc tttttgggtt 180
ttgagatggc attgtcttcc atttgcaaaa aacagtttat aagacaaata ataaagaaat 240
tgaaatgttt ctgatggttt caaaaatgta aacataagcc agagtagtta tgtctcaaca 300

<210> 348
<211> 300
<212> DNA
<213> Homo sapiens

<400> 348
gtttaaagaa aacatacaag ggtatgacgg agatatgatt aggagaggga atgctttttg 60
agggcagaat tgccaatctg cttgtacttt ataagcctgt tgattgttta gatacggttt 120
agccagttta tagttaccct gggtgctgaa aggtatgctg gatgatacct aaccaacaga 180
gaaccattga atgccgttca aaatggactg aagcatcagc aatgtctgaa aaaggcctga 240
cagtaatgta catgtcaaat ggcccgtaat ttaagcagag tagagtaagt agaagaataa 300

<210> 349
<211> 299
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(299)
<223> n = A,T,C or G

<400> 349
ggtggatgtc agagttcggt ggcagctccc gtggggacct ggggtgtgtg gctgggtgaa 60
gacgatcacc tcccttctgt ggttttattc cccaggctga gtttgagccc ccaaggctcc 120
tgtcggttct ggtttgtgat tggctcctcc gtgccccatg cgcatgtcca gccgccaggg 180
agattaggcg tttgtagtaa gtgatttcac tggccctggg gggacagatg ggtagacagt 240
gtttgatccc angtctttgc agggctctag cccctcgcaa gcttctgcac cttctctgc 299

<210> 350
<211> 300
<212> DNA
<213> Homo sapiens

<400> 350
gtctcatgtt agttgtaccc acagctctca tcagaagcag acacagatac tttttgtagg 60
aaaacatctc taacttaagc ctgtaggatt cccaaagatt aaaagcaggc aaatatgaat 120
tcagtcaaat catagcattc aagtagtctc aacccaacat atttgagaat tgttagaaac 180
aatgaatatg tttcccaaag actaggtttt ggaattatca gatacagaac acagacttca 240
aatattagaa ttgtgagaaa atagttacat gtcaaaccta atataaaaga aagatggact 300

<210> 351
<211> 300
<212> DNA
<213> Homo sapiens

<400> 351
atgcttgtca gcattgccaa gtggcaaaaa atacagttat tgtagcaccg aaacagcacc 60
ttctcaaggt ggaaaatcca tggagtttag ttactgttga tctgatgggg ccttttcata 120
caagcaacag aagtcatgta tatgctataa tcatgacaga tttgttcacc aaatggattg 180
tgattttgcc tctatgtgat gtttcagcat cagaagtttc taaagctatt atcaatatat 240
ttttcttata tggacctcct cagaaaataa taatggacca aagagatgaa ttcattcaac 300

<210> 352
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 352
ctggacttgg gctttttctt ctatttgctg ggtagaaaag tccttaaagt ggatgctcat 60
gttcagtggc ctgggcatat attgtttcac tggtatcaat aatattttag gatataattt 120
tctagcagct aggttttaca tgtatataca ctatggttca gatataaatt acccatctct 180
ctatattagc ccagttagct agtacatgga taagtcatta gataatttgc tacccatgta 240
tntgtnctat taagangtac ntatanttna actaccaanc natntgtacn ntgcatttat 300

<210> 353
<211> 300
<212> DNA
<213> Homo sapiens

<400> 353
aaacaactga aggtcaaaaa cttatatgcc tttttatgtg tacatttaat aaaacaattt 60
tattgatttc ttaccgtaag ttactgtgat gagtgataaa tacttcacta ttcagatact 120
ttcgtaagag atacatttca gtggaacact ttgcataaat attttctcaa aaatgtgcca 180
tttctgggaa aaaagggaat gatgggaaag aatgttattg cagtttttcc tagaaatttt 240
gtcagattgg catgcatttt tattgactaa gaatcccaat tttagcatga agaccattag 300

<210> 354
<211> 300
<212> DNA
<213> Homo sapiens

<400> 354
gggaagttgt tgttcaaatc tgtagtgtgt ccagtcagca caaacgagga aatgatggca 60
gagttagttt aataaaacag agggaatcta cgttaggtat catgtatcgg agtgaactgc 120
tttcttttat caaaaaatta cgagaaccac tcgttttgac tattatttta tcactctttg 180
tgaaacttca caatgttcgg gaggacattg tgaatgatat tacagctgaa cacatttcta 240
tttggccatc ttccattccc aacctccagt ctgtggactt tgaagctgtg gcaatcacag 300

<210> 355
<211> 300
<212> DNA
<213> Homo sapiens

<400> 355
gggagaccta tacctagatg ttgctgaagc ttttctggat gttggtgaat ataattctgc 60
acttcccctc ctcagtgctc ttgtttgctc tgaaagatac aaccttgcag tagtttggct 120
tcgtcatgca gaatgtttaa aggccttagg ctatatggag cgagctgctg aaagctatgg 180
caaggtggtt gatctggccc cactccattt ggatgcaagg atttcacttt ctacccttca 240
gcagcagctg ggccagcctg agaaagctct ggaagctctg gaaccaatgt atgatccaga 300

<210> 356
<211> 292
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(292)
<223> n = A,T,C or G

<400> 356
ccaagctgaa ttccagattc tgaaagctga gctggaaaga accatagagg anaagcaaga 60
gttaaaagag aaactgaagg aaacagagac acacctggaa atgctgctga aggctcaggg 120
ctttggcaaa gcttacgcgg ctacgtatcc acgtcagcta tctccttact tctgtcctcc 180
ctcacttgga gcttcangag atcggctatg actcagaaca agtgnatggg atcctgtaca 240
cggngctgga ggcaaatnac atactgnatt gancaccaga ctgnataccc tt 292

<210> 357
<211> 300
<212> DNA
<213> Homo sapiens

<400> 357
gctaattgga aaatactgga agtcccttag gtattccact gcagtagtat cataagccta 60
gaaaatctgg aacaattctg tgagggttta gaaaaaggga cattgaattc agtctctagc 120
agtatggtag atgagactca atgaacaatc ttgtcacaaa ccaaggacat catctgaaaa 180
aatgttttaa gtcttttgaa atgatctgtc aagaaaacag ggaatcatca gacaccaaaa 240

ccaaagtgta agtagcagag gtcagtaagc actcaaggtg gccccaccct ggaggtttct 300

<210> 358
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 358
agcacaagag atgtaaaaaa aaaaaaaaac cccncccncn gnggaangnc ccttttnagg 60
tttngnttng ttttttttn ggtttnnttt tntgtttttt taatnntggg gataacccnt 120
gatgncnggc tanngtncat atcnggtctt ttnagntagt gggctctttt aananntntn 180
ngctnaaann ttaactnata aaaggttnga gccncgtnan catncgncna anggnaccca 240
ngcatagana aaagganatt cnnnccctgt gtatgaatga gcnggtcaga ttcaaggcag 300

<210> 359
<211> 300
<212> DNA
<213> Homo sapiens

<400> 359
agtttgtggc agctggagat cacctagtcc accactgtcc aacatggcaa tgggctacag 60
gggaagaatt gaaagtgaag gcatacctac caacaggcaa acaatttttg gtaaccaaaa 120
atgtgccgtg ctataagcgg tgcaaacaga tggaatattc agatgaattg gaagctatca 180
ttgaagaaga tgatggtgat ggcggatggg tagatacata tcacaacaca ggtattacag 240
gaataacgga agccgttaaa gagatcacac tggaaaataa ggacaatata aggcttcaag 300

<210> 360
<211> 270
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(270)
<223> n = A,T,C or G

<400> 360
gttttctcgg cagatctgca aggctggctt taagagcaca aggagggaaa gtaacgaaag 60
ggctggacta ctataaaagt tacaaatacg tagttagacc aatagattta tatagtcagg 120
tttttgtcat gtaatttatt aactaactat tacagaaaca cagctaagaa tatcaagtat 180
ttctctggct cttgacagaa aaaaatcagt tgacttaacc ctttgctgca naanagttgn 240
cgtttctgcg ttggntgcta ctgctaactg 270

<210> 361
<211> 152
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(152)
<223> n = A,T,C or G

<210> 366
<211> 300
<212> DNA
<213> Homo sapiens

<400> 366
aacactttta gttgctctat tgattactta gatttttgtt ggcaattagg agcttttcag 60
taacattctt tgctccatcg gtagtctctg ctggctcttg ttcactcagg aaacacctga 120
gcacagggct tcaggaaagc cttctattaa atgggcagag gccccagcag gactcctgca 180
tgttcatctg cacagccaga gacagctgga gggcaggagg agccgcgttc acatagggtt 240
ctgcagcctt ggagccgccg tttcttccaa gtactcttca gatcagcggt tcttagccct 300

<210> 367
<211> 300
<212> DNA
<213> Homo sapiens

<400> 367
ccagcacctg ctgtgctggg aaggccgagg atgggggccc agcactgtcc aggcctgctg 60
gggcctggct gggagtcctg tgggcagcat ggaacatgca gctgggcttc ctgtgaccag 120
gcaccctctg gcactgttgc ttgccctgtg ccctggacct tttcctgccc ttctccttcc 180
tctgctccct tggggctacc ccttggcccc tcctggtctg tgcaaactcc ctcagggagc 240
ccccctgccc tgtagctctc acttaacttc ctaggggctg ctgagcccac ccagaggttg 300

<210> 368
<211> 300
<212> DNA
<213> Homo sapiens

<400> 368
gttcttttga acagtaacag tctaggatct ttttttttct gagatgattt ttgaatgctt 60
ttgtgtggaa ccacatgcat cataatagat acaaatccat gaaagtataa cagttaaata 120
ctagatctta ctttttcagg ttttgatttc tcatctaaac tttccaatgc tttatcagtg 180
aagcaaacta actcacattg actagcctgc tctcctttag caaacccttc aaataaatgc 240
ctcatttgct cctcaccact atcattttag attggccaga cagttgttac ttacctttta 300

<210> 369
<211> 300
<212> DNA
<213> Homo sapiens

<400> 369
ccaaagcaca caaatggcct accatctttt attcttcctt ctagcttctg gagagagaaa 60
tgattgttcc agtttagaat gccaggagtt tactgggtgt ttgtattttt tatctgtgcc 120
ttaaaaaaat tagattataa tgaacaagac atctttatgt tttacaggga aggaaaaagc 180
agtgaaagta tgcattttcg aaagaaaagt gtgttgggaa aagagagaga gggtggaaac 240
ccaaaggaga aataaaaatt ttaagtcctt gttgcagtag ctggaggaag tgagcttgga 300

<210> 370
<211> 300
<212> DNA
<213> Homo sapiens

<400> 370
agagtaaaaa tagaaatgtt ctttttccca gaaaaaaaat cagtaagctg gtacagataa 60
ccataccaca ttgcctgttt ttccaaaaaa ttacatttgg gtgatatcaa atgcaaattt 120
ttgaactgca ttgacagaag tcaggcatgt ttagagagtt agtaaacttt ttcagaccac 180
agatcagcat taagtgaaat actgcttcag ccactgatac cttcatggca gataagtatt 240

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atactgactt ctttttagag acacttctgt tcacacacaa gacacagaat ttgttgaata 300

<210> 371
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 371
cgccatgttg cccaggctgg tctctcctga gctcaggcaa tcggccacct tggcctctga 60
aagtgctaga attacgggca tgagccaccg catccagcca gaaagataca tatctaattc 120
tagaaatagc atgcagtatc agtcatagta acagccatgt gctgcctaaa ataaaatttc 180
ttgaaatggg gaattaaccc tggagtattg agctagtttt tttggtttgg ttttttgggg 240
ctgaacattt gggcctaatc ctttgnntnn tnaaaccntt taaaaaannn aaggtttggt 300

<210> 372
<211> 300
<212> DNA
<213> Homo sapiens

<400> 372
tttagatgaa gtgctgagaa tatttagaaa aagcgcttta aaaagcatct agagattatc 60
atgaaaataa ttggagacaa agtcactagg ctgctttgtg agaggcagca taccatggct 120
ctaaacccgt tcacaaaaaa caatgttaga gacattagga attcaggttt tgaaaatctt 180
tttttcgatt tatttgtaat ttacatacca aaaaaccaca ttaaaatagt cctcccttca 240
acatggctat ctttttttcaa gttttatatg catagctctc tcagcacttg aatggaaaaa 300

<210> 373
<211> 300
<212> DNA
<213> Homo sapiens

<400> 373
ctgaaatgct gacaagatgt ggcattggta agttgctact ctttgattat gacaaggtgg 60
aactagccaa tatgaataga cttttcttcc aacctcatca agcaggatta agtaaagttc 120
aagcagcaga acatactctg aggaacatta atcctgatgt tctttttgaa gtacacaact 180
ataatataac cacagtggaa aactttcaac atttcatgga tagaataagt aatggtgggt 240
tagaagaagg aaaacctgtt gatctagttc ttagctgtgt ggacaatttt gaagctcgaa 300

<210> 374
<211> 296
<212> DNA
<213> Homo sapiens

<400> 374
cttgtgtttt cttaactccc ccagtaatag acctaactga ttttgttttg agaagttcgg 60
tattagctta agtttttgtt cgtttataga atatcaaaat ggtatcaaaa ctgtttaaaa 120
ggtcaatgta catctgtagc agagcttttt actcttttcc ttgtcttctt tctctttgtg 180
tatatacatt gtttatagtt gtattcagta tacatgaaat tttgtgtctt ttttactcct 240
ctctgtataa actttctgtg ctgcaacaat gtaaattaca ttcaggttgt ttccag 296

<210> 375
<211> 287
<212> DNA

<213> Homo sapiens

<400> 375
ggtaaaaggt ggagaccatc attgtggaat cttgtatttt ctattaaggt ttgtaatagt 60
cctacaaact tgaacataaa tttttaatat ttgggaagga acattcactg aagaattgat 120
aatagactaa aaaataacct gttatcaatt aatacatgat ctgtccttga acacatattc 180
accattatgt aaacctcaca ttatttcagc ttatttattc cacagatacc aatagacatg 240
ttttcacatt gtagcatctc ccaaatcaaa atacttctaa aaattgg 287

<210> 376
<211> 300
<212> DNA
<213> Homo sapiens

<400> 376
gactatgcag gtctatgggg aaacctttag tctgctttaa gaaaactcag tatctgaaaa 60
tcttaactta gcatgtgata ctgtcttatc agcatctgca gaagtgccaa agccactgct 120
agacacttaa tgtgtattat ttcatttaat tatattttaa atgtgcttcc ttggtaattc 180
ttaagctcga gaaagagttt gagaactgct gctaggaaat agagattcac atttaaccct 240
gtggtacttt taagaagcag gtacgttgtt gcatatatac ttgggtagag attggtaact 300

<210> 377
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 377
ataacatttt tgcaagtctg aaattatttc aaaatcaaaa gagactatca aattacagga 60
ttaaataana ttggattntt cccatancaa tttaatgcca tttaaaaaca atgttacatg 120
attacttatt aaaagaatgt gctngccgct tttctgctgt ctggctgact tggaggcctg 180
agattanatg gtacccttgt gttctttngg tggtggttat aancanggat cctcancatt 240
tctcttttt gnatcttgcn attccgnctt caagctattc cccacctgca ccctcccctt 300

<210> 378
<211> 300
<212> DNA
<213> Homo sapiens

<400> 378
ctcctgccct gcttaacccc tctctgtgcc tccccagtgt ccctataaca aagcccacac 60
tccttggccc ttgctaaacc ttccgtaccc ctctcaaacc tctgggaccc cttccctggc 120
catagccttg ccctgtgttg ctcccttggc tgggaatact cttcctcctg ctccattttg 180
ccaggccagt tcctacccat tctcatggca aacatccctt cccaaaagac ccaacgccct 240
ctccaggcca ggtcatcccc cagcctcctt cctatgccct ctcaggactc tatagttctt 300

<210> 379
<211> 258
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(258)

<223> n = A,T,C or G

<400> 379
gggagctgca ccacaaacgt ctagctctca gcagagctgg gagcaaagcc tggccgccca 60
ccccaacctg gggctgcctc ccactccgtg agatgcttct gtctcctgtt cactttgtgt 120
ggtagtttct tatttnccaa tgcatctnat tngatcatta ctgngacctt ggaaatcnct 180
atgntanggn nancnntnna gnngncntat attntaaaan cttttgnatn ttaagnctcn 240
tantttngtn ntctggnt 258

<210> 380
<211> 248
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(248)
<223> n = A,T,C or G

<400> 380
cccaggcctc cccgaaacca aaggggaagg caggggtggg gccgtggctg aagccggctc 60
cccaaccaaa atgctgcacc aaagctcggg cgccgcgggc acggctgctg cagtctcttc 120
ccagcctggc cctggcaagg ggcgggtggg cgctgccagg cgggtgcttc tcgacgcact 180
tgctcccgga ggctgcgccc cggcgcctgg aacccgangt gggaagaacn gntngnnnna 240
nccttgtt 248

<210> 381
<211> 300
<212> DNA
<213> Homo sapiens

<400> 381
tcaccaacca gatgagcatc gggcgcggga agctgccagc cgaggagttc aaggccaagg 60
tggaggctgt ggtggagaag ctgggggtcc ccttccaggt gctggtggcc acgcacgcag 120
gcttgtaccg gaagccggtg acgggcatgt gggaccatct gcaggagcag gccaacgacg 180
gcacgcccat atccatcggg gacagcatct ttgtgggaga cgcagccgga cgcccggcca 240
actgggcccc ggggcggaag aagaaagact tctcctgcgc cgatcgcctg tttgccctca 300

<210> 382
<211> 300
<212> DNA
<213> Homo sapiens

<400> 382
cattgttgta tcagtgggtg ttgatgaaga aattgtttat gccaaatcaa ctgccttaca 60
gacatggctc tttggttatg aactaactga tactatcatg gtcttttgtg atgacaaaat 120
catctttatg gccagcaaga aaaaagtgga gttcttgaaa cagattgcca acactaaggg 180
caatgagaat gctaatggag cccctgccat cacactgcta atacgagaaa agaatgaaag 240
taataagagt agctttgaca aaatgattga agccattaaa gaaagcaaga atggcaagaa 300

<210> 383
<211> 279
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(279)

<223> n = A,T,C or G

<400> 383
ctgaagggaa cccacccacg ctccttcctt cccaagagac tgagcgggcc atggagatcc 60
tcaaagtgct cttcaacatc accctggact ccatcaaggg ggaggtgtng gaggttnttt 120
atgttatttt ttnagntngt ttntttnttt ttgngttntg ttttttttt ttttttttt 180
ttnatnttct tntttnttt nttnttttnt tttatnntnt ttttnnntct tnttttnnt 240
ttnntttntt nngtnttttt tttatttntt tnttttttt 279

<210> 384
<211> 300
<212> DNA
<213> Homo sapiens

<400> 384
ggaagacata acagtgttgg tgactccaga gaaaccactt cgacggggcc tctcccaccg 60
aagtgaccca aatgcagtgg cacctgcccc ccagggtgtg aggctcagcc taggcccct 120
cagtccagag aagctggagg agatcctcga tgaggccaac cggctggccg ctcagctgga 180
gcagtgtgcc ctgcaggatc gggagagcgc aggcgagggc ctggggcctc gccgagtgaa 240
gcccagtcct cggcgggaga cctttgtgct gaaggatagt cctgtccgag acctgctgcc 300

<210> 385
<211> 300
<212> DNA
<213> Homo sapiens

<400> 385
actgggtttt tgttctgtgc ctccagtatg tgcataggaa atgtgtcttt gaatgatggg 60
gaagctgtgg aaacgcacta ccaaaaggag gtttcatacc ctgttcacct aattgtgtca 120
cagaaatcag aaaaggaaaa tctgtgtcag tgaatttcac tgtatcgtca accctccaga 180
ttgggggatc tgtggagtca accaaccttg gatcaaaaat atttggaaaa aaaatttgca 240
ttcatactga acatgtacag actttctttt cttgtcactg ttccataaaa caatacagtg 300

<210> 386
<211> 300
<212> DNA
<213> Homo sapiens

<400> 386
gggaaaataa cccagttttg atctttttta gtctgggtgc ttactggatg tcaaggtaga 60
aagtgtccaa caaggtgctt taactatagg ttgagttctc aaaaaggtta agagggtaga 120
gttatagtga catcttcagc atatatagta gttgaggcca gtggaaaatt tcccattgag 180
agctctgaga ggaaagtatt ttagaagcca agggaaaaag gagtattgag aaagcgttag 240
atatcacaga aaaattagat tggtgatttc taagacaagg atataaccgt taggatgtca 300

<210> 387
<211> 300
<212> DNA
<213> Homo sapiens

<400> 387
caaaaataat agaaaaaaaa acagaatttc cacaaacccc cacctaattt atctgcctcc 60
tgccatcagt gccaatatac tgtgcttttc ttctgtggat acattattta ggccactatt 120
cagggccaac ccctccacct gcctactaga ggccatcacc acttgtttat tcaagggcac 180
agctccaggt agttttcctt ctcttgggga tcatcagttt ccttctgtct accaggtcat 240
tcccattagc atgtttttgc cgcttttctt aagagataat atctcaaccc taattcctcc 300

<210> 388

<211> 300
<212> DNA
<213> Homo sapiens

<400> 388
ggattatctt gatgatggtg actcattatc agtgctttgg tacttttgat tacctgtgtt 60
tcagtattag tgtcacttta gtacttcaga tcctgcaaat atttttgcag atgaagtatg 120
tatgtatgtt actaagttaa acttagaaac agaacctcat tcagttttta taatgtattt 180
ttgcaaacta ctgtaaatag caaatcaatg ccaatgttaa acaaagagga aaacgttgtg 240
tggactttgt tctcttgcac cggtatttca ggaacatctg cttgccatcc ccacagctct 300

<210> 389
<211> 300
<212> DNA
<213> Homo sapiens

<400> 389
tttttatttt gaaatacttg gctgacttac aaaagacttc ccctcacact tgacatgatt 60
gacaaaagct gtttgcagtg tttcctgcac gatgaacacc aggaacctgg gaagtgagaa 120
gaaccctggg atgaagtcat cctgctggaa tgacctggct ttcaggctga ctgccacccg 180
ccccatgggg aacctatctc cactgctatg gccagctatt tttttcgagc caggctctcg 240
ctctgttgcc aggctggagt gcagtggtgc aatcactgca ctgatcctcc cacctcagcc 300

<210> 390
<211> 300
<212> DNA
<213> Homo sapiens

<400> 390
atccctacct agaagagaat agatgggaag agaactgaaa gaaagaattc ctcaagcact 60
gaagtcagga aaatccccgt aggcactgta ttagttgttc catttatccc agcactccac 120
ttgtggatga aggagttgta tagaaaggag atgagaaaat ggcaggagtg gaagcagcca 180
agaagagatc gatgactgaa gatctccttc accttcagga ctgtctcaag gggttatttc 240
acctctactc atgaggatgg ccagtttttc tgtcttttat ctttagaccc atatataatc 300

<210> 391
<211> 300
<212> DNA
<213> Homo sapiens

<400> 391
aatcagtcag atatgcctag atgaagaaac aaaatggcaa tctgagtaga agaaataagg 60
agaaaggagg agaggtgtga aaaaaagtcc tttttctgag aacaagcatt caaacagata 120
aaacacaggt ttcataaaga aaagttaaat gtcccactac tatgagtcaa aatggtgcat 180
ttgctttttc ctgggttttg atttattgcc ctctgtttgt accccacatt cgcatccttg 240
gcacagactg tcatatgtca cacattcagc ctcctacact tccaccccac aatctcttta 300

<210> 392
<211> 300
<212> DNA
<213> Homo sapiens

<400> 392
tcactgttgc agccttttg aaggggacac agtctaggag ggggataaat gggatgccct 60
tgccccagag agaacccagt tctaggtact gtctgggcct gggaggcgag agcagtgccc 120
aggggacttc tgggcttaca ggacagcgtg tgtgacaaaa ttcagatcta cctgaacttg 180
cctctggaga tgataagggc caaaggagca gtcagggagg ggcggtgagc cagagtagtc 240
ccaggggggag acagattcct ccctcctccc cgcctgcagc tctctttaat tttttgtaac 300

<210> 393
<211> 300
<212> DNA
<213> Homo sapiens

<400> 393
tcactgttgc agccttttg aaggggacac agtctatgag ggggataaat gggatgccct 60
tgccccagag agaacccagt tctaggtact gtctgggcct gggaggcgag agcagtgccc 120
aggggacttc tgggcttaca ggacagcgtg tgtgacaaaa ttcagatcta cctgaacttg 180
cctctggaga tgataagggc caaaggagca gtcagggagg ggcggtgagc cagagtagtc 240
ccaggggggag acagattcct ccctcctccc cgcctgcagc tctctttaat tttttgtaac 300

<210> 394
<211> 284
<212> DNA
<213> Homo sapiens

<400> 394
ggctggtgga agaaaggggc attccagact agagggagca gtaattgaag agtcctgaga 60
gaaatgtagg agagagagag actaaagggt aaactggggt caaatctgat gaagggcctt 120
tattggggat ttaggcatat ctaagagtag ataaccatgc ttagtcttgt ccattagaaa 180
cagtacaact tagctctgta actgagtagt tgtggttatc aggctgttcc aaaacagtga 240
gatgcacttt gataagctat gatgcctatt ttttcacata tagg 284

<210> 395
<211> 300
<212> DNA
<213> Homo sapiens

<400> 395
aatgcggccc gagagagaag gaacacactt atgggcttgt cctgaaatga aagggaatga 60
ggaaaactgg gtagagggca aggatgctcc agcctggtgg ctctgctctc caagaggaag 120
gaatagagct ttagaagtgt ggatggccag agttcagggc agcctggctc ccaagcctac 180
ctaaaacaac catcccattc ctagacccgt ggattgagga ctgggcagag atgaatcatc 240
cattccaggg aagccatagg cagaccccag acttcgggga gcacctggcc ttgctcccac 300

<210> 396
<211> 299
<212> DNA
<213> Homo sapiens

<400> 396
gcactgtcat gtctctagct gggaaataca cattgaacaa ctggttggca acggtaactg 60
ttgggccagg cgggcatgca cgcaacatac taccacaaag ccagtgacca gctgcaggtg 120
ggtgtggagt ttgaggccag cacaaggatg caggacacca gcgtttcctt cgggtaccag 180
ctggacctgc ccaaggccaa cctcctcttc aaaggctctg tggatagcaa ctggatcgtg 240
ggtgccaccc tggagaagat gctcccaccc ctgcccctga cactggccct tggggcctt 299

<210> 397
<211> 300
<212> DNA
<213> Homo sapiens

<400> 397
ggtaaatcag tttggaattt gttttcatgt actcttaagt tactcaattt tagtgtcatg 60
gagttccaaa ctgttgtttt acagtgatag ttattaatcg tatttgtaga aagccaaagc 120
ctttattaat acagatggtg gagattaaaa tgaaacctgt tactgattat ttagaagtta 180
ctccctttta tattttaatt taggaatcat ttctgtagtt gttaattata aattataatt 240

actttttgcat tttatttaca gaaaacctgg gagctttcct tccaagtgtt ttctttaatt 300

<210> 398
<211> 300
<212> DNA
<213> Homo sapiens

<400> 398
ttgcagtcat gtttctgaga agtcttttgt cctctgagca gtggaaactc cctgttgaac 60
tgattttgta tacctgtgta ataggatgtc ttgtatttct ggtttcgtta tttgcctttt 120
cttacttaca gctatgggaa aattccaaaa atcaaatatt ttacaagatc agtgattact 180
cagtagaaga tacattttta aatcatgttt aatacctaag ccaatgaaat gagcattata 240
tagttagagt aagctttttt taatggttag tatttaacta tagtatttga ctaactttaa 300

<210> 399
<211> 300
<212> DNA
<213> Homo sapiens

<400> 399
ctcccctaat ccatccccac ctgttagaat tctatttatc tttccagtct tagttcaaat 60
accacttgtt tctatgaaac tttcttaact ttccaacaca aattcacctc ttcatttctc 120
tattccctta gcagtttgct cataacttta ttatataatg attgcactcc aacttggatc 180
ttagctaatt acgtacctgc attccacact agactgcaaa cttgaggaag atgggtgctg 240
tggctgccct caaaccgtat gtgcctccca taggacacaa gagttggtta tgcaggtgtt 300

<210> 400
<211> 264
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(264)
<223> n = A,T,C or G

<400> 400
atttttatgt gtttattctt attttataga attcttagtt gctggaagcc ctcaaaactt 60
agtcatatta ccattgggta tttattgttc cctttcaagt gagggacgag cataatcaaa 120
tctgcattgt acatgaccag gatttttttt taaaaaaaca gtactgccct ggtggatcta 180
gtttattatt gagtgtatag cagaaaggta aatagtttgc catgttggtg catnaaattg 240
nnnngnncnc ctactnattc tatc 264

<210> 401
<211> 300
<212> DNA
<213> Homo sapiens

<400> 401
gtaaaggaaa gcactaagcc attttctctg ccctctagaa gcttataatg tacagtccta 60
tcacaaagca gaataaaaac atgaaaccta taaatgggaa tgccataaag tatttttatc 120
tctacaggtt cattcatgca gagggcattt attgggtgac tgcagtactg caaaaggttg 180
caaaggaaat ggaagatctg gtccctgtag gttgggagtt tacaatctaa ttagaaatac 240
aaggcatata tacgtgaaaa aactagaatc cccagctgta agcaaaagga tggagtaggt 300

<210> 402
<211> 300
<212> DNA

09/15/2005 15:50 FAX 2025 [illegible]

<213> Homo sapiens

<400> 402
ctcattcgaa aacacccaca acataacata aagattggac tctacagcct gggaaaggaa 60
tcactgctgg agcagctggc cctggagttt cagacctggg tggtattgag tcctcggcgc 120
ctggagttgg tacagctact gggcctggca gatgtgttca cagtggagga gaaggctggc 180
cgcatccatg cagtagacca tatggagatc tgccattcca acatgctgcg ttggaaccag 240
acccacccta cgattgctat ccttcccaca agccgaaaaa tccacagctc ccaccctgat 300

<210> 403
<211> 300
<212> DNA
<213> Homo sapiens

<400> 403
gtttagaaac tgattctaga catttaagtt cccagactaa tgtcacagaa gctaatgaat 60
tgcagaggtt aattggaagc ctggtcttaa cactcccagg ttatcttaat gagttcatga 120
ggatggcata tggataatgc acttcaaagg gtgttgtaag tattaactaa gttaatacag 180
gtcaaatgca tatattagca ctcaatgcac ggccattgat caataaatgc tagtggttct 240
gatcagtgag aatctaacct ctgcttaaat acctttagtc atcagcagct tccactccct 300

<210> 404
<211> 300
<212> DNA
<213> Homo sapiens

<400> 404
aaaagtctcc cacctttct cctaaaactt ctctcctttc tctccataaa aagaaaagga 60
aaggaacaaa agaaaaacat tcagtttttc tttttctgaa aaaggtaagt cctttcctga 120
agtcatcaaa tgaaacatta tctggaaatt agtttctaat gttgtatatg aagaaatact 180
taaatataag ttcctgcagt atttattaga tagttgtaac tgtaaactca cctccctagt 240
agataagagt ttcaggttaa atactggaac atatataggc agtcaaaaat actactttaa 300

<210> 405
<211> 295
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(295)
<223> n = A,T,C or G

<400> 405
aaaaaataaa agtaaattct aggcaagcta aagagtgaaa tgtatcatca cataggagga 60
agtgggggaa aaaagtgaaa tgtaagaaat gaaatgataa gaagaactta gtgggtattc 120
gtttgatttt ggaggcactc taggaaaatt ctgccagatt gtactacatt taaaaaaaat 180
ttttttttaac ttttgtgtgc ttcagtttgg ncatagacna atgaaaaggc acatcacana 240
ctaanangaa aatcagntcc tatatatgat aacgggttaa tatngttnta tatgg 295

<210> 406
<211> 165
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(165)

<223> n = A,T,C or G

<400> 406
atgcgcttat taggtatttt atctttcaaa aatatatgta cccaactgtg tttgtttgtt 60
tcctgactgt gaacactgaa gaggactaga tcaaaaatga ccaattgagt agcaattgaa 120
catttacagt gctgngtgca gtgaacttct gtagcaccca aattg 165

<210> 407
<211> 300
<212> DNA
<213> Homo sapiens

<400> 407
gctgagatca cataagtaca gaatcatgac cttaatggtt tgacagtttg gaagcaccct 60
ggcaacaagc catttcagtg gaatggtaga aatggaaacc acgctgggtt gagaagtgag 120
tggatgtgaa aatatggggc ctctgaatgg aggtaaccct tgaaaaattc cactgtggag 180
aagaaaggag agagagaggg ctggaatttg gaatgaaagg agatatttgg gattatttta 240
gtaagaaaac agaggtgtca tgacctcagt gtaaccctat tagctgcaaa aaattcttca 300

<210> 408
<211> 300
<212> DNA
<213> Homo sapiens

<400> 408
gggagcctgt cactgcttga gacagagggc aaggaccacg gccttgaact cagcatccac 60
aggacgccca tcttggagga ttttgagctc gagggagtgt gccagctccc agaccagtcg 120
cctcccagga acagcatgcc taaggccgag gaagcctctt cctggggaca gtttgggttg 180
agttccagga agagagtcct gttggccaag gaagaagctg accgtggagc caaaaggatc 240
tgtgacctga gagaagattc agaagttagt aagagtaaag aggggtctcc aagttggagt 300

<210> 409
<211> 300
<212> DNA
<213> Homo sapiens

<400> 409
cttgtttctc tgaggaagct gaattaatgg aaagtttctc ttaaaactta gaatatattg 60
tttggcaatt tctgctgtgg gcctaatatt gcagaatcaa agttggagct acatcatgta 120
gcacttgcct caataagatt gccttagtga cacaatgcaa aaggttacag acttttcttc 180
aagttaccat ttcccacaag ggcctgtgat gaaagaagaa aagagaagca agaaaagaaa 240
taagctagat acttccccag cacttggacc ttcaaaattt gtacgataca gggagacact 300

<210> 410
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 410
gctatccctc ctcctgttcc accctccaga ggtagtctct gttacccttt tatttataac 60
ttttatggtt tttttttctg tatttataca aatcgatgca caaagagggt tctcttctct 120
cataaaagtg attattagtc ttcagtgtgc ctttttttct cctaacaaat gtaaactggg 180
agcattttcc caagtacata tttataatac ttacggtgcc tatctagtat tctgtgaata 240

09/14/2006 09:46:09

tatactgtta attnattcct tcccattgnc ngacttacct tgnttccatg tattgccatt 300

<210> 411
<211> 300
<212> DNA
<213> Homo sapiens

<400> 411
gtttagtgtt cctccactgc tagaaatttt ggttgttcct gatttttatt ttccctttta 60
taaatgtctc tttggtgaac gttattagac ttacagtata atccagttga tacataagcg 120
aatgaagaca gtaaccctca aacagatgtg tgtgtggcat gtacattaac tgctatcctt 180
tcagcacttt gttttgttga aatggccatt tccattatgt tcaggaaaac tcattttggg 240
aagaataagc aataaatttg taattaatga aatctggttc agtttttcag tttgtccagg 300

<210> 412
<211> 300
<212> DNA
<213> Homo sapiens

<400> 412
gacagaatgt gcaaattaag tttgaattaa tgtaactaca gaattagata aaatcttacc 60
tgagtactga ggattttgtg aaatgttaga acctggtgta ttgggcatta tgaacattaa 120
cccagggaag cagttaggtt tgaaggaagg tatgggcagg agcttgacag atgctggcaa 180
cacatattat tagatgtttc tgtgccattt ttatagtcaa agtgtgttca tgggaaaact 240
aaagaatttg ggacagttga caaaattaag tcgtatttta gtaaattaat taaaaagttt 300

<210> 413
<211> 290
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(290)
<223> n = A,T,C or G

<400> 413
gctatccctc ctcctgttcc accctccaga ggtagtctct gttacccttt tatttataac 60
ttttatggtt tttttttctg tatttataca aatcgatgca caaagagggt tctcttctct 120
cataaaagtg attattagtc ttcagtgtgc ctttttttct cctaacaaat gtaaactggg 180
agcatttttc caagtacata tttataatac ttacggggcc tatctagtat tctgcgaaca 240
tatactgtna nntnatncnt nnggattgac agacttacct ngngtccatg 290

<210> 414
<211> 300
<212> DNA
<213> Homo sapiens

<400> 414
gtacagcttc atcactggtc cagctgtaat accagggtac ttctccgttg atgtgaataa 60
tgtggtactc attttaaatg gaagagaaaa agcaaagatc ttttatgcca cccagtggtt 120
actttatgca caaaatttag tgcaaattca aaaactccag catcttgctg ttgttttgct 180
cggaaatgaa cattgtgata atgagtggat aaacccattc ctcaaaagaa atggaggctt 240
cgtggagctg cttttcataa tatatgacag cccctggatt aatgacgtgg atgtttttca 300

<210> 415
<211> 300
<212> DNA

<213> Homo sapiens

<400> 415
gttctattca tgtttcatgg atgtagtatc ttcttttgtc tttattaaga tactaatggc 60
gttttaaaca gtttttgtct cctttcatag tttctgactt ctcaatgttg cattatttta 120
aaaaaaatgt ttaaaaaggt tttggcctcc atctttccta gatgctctcc tgaaatgtct 180
gacccttgat tattgctcat gtttaagggt agggaactaa aattatgaaa cttctaagtg 240
tggggattgg gttttaccag ctatgagcgt cagtgtatag caatctggct gtactgttgt 300

<210> 416
<211> 300
<212> DNA
<213> Homo sapiens

<400> 416
ggaaagggcc gtatttgagg tcgtagggat tcacagtaca gctgcagaac aggactcctc 60
ccctggtccg gggctgcgac tgtgtcacat ggacaggctc actggttatg tgctccacca 120
agttatatgc acaaacgttt tgacactaca gtcccgcctc tggaaataac cttccctatg 180
ctcgcacaag attcaaagat gggcatttac catagcacca tctaatagca aaaacaacaa 240
aaaacacccc aaacccaaat cctgaatatt cgtgaagaga ggaatggtgt taggaagtat 300

<210> 417
<211> 297
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(297)
<223> n = A,T,C or G

<400> 417
agatctagag ctttggatct ttcgggtata tgtcaatgga ggtattattc tatagggnct 60
ttncattnaa atgacttgnn tncntnctnc ttncncnaaa ctcgncggct nccancgntn 120
ctnccnntcc cccgctcncc tgcctgcnnc ccnaccatan cctctnncac cnnncacntg 180
nccnacccnc gncccantcg cnccncangc ccccctccac cntccccacc cnccccctcct 240
ncctcccccn annnanntcn cncatcntnn antcnnccan cncttccacc tctgctc 297

<210> 418
<211> 300
<212> DNA
<213> Homo sapiens

<400> 418
aaggcacaga ggtggccacc aacctggtga ttctctgcac cggcatcaag atcaacagct 60
ccgcctaccg caaagcgttt gagagcagac tagccagcag tggtgctctg agagtgaacg 120
agcacctcca ggtggagggc cacagcaacg tctacgccat tggtgactgt gccgacgtga 180
ggacgcccaa gatggcctat cttgccggcc tccacgccaa catcgccgtg gccaacatcg 240
tcaactctgt gaagcagcgg cctctccagg cctacaagcc gggtgcactg acgttcctcc 300

<210> 419
<211> 300
<212> DNA
<213> Homo sapiens

<400> 419
ttttacgatt ctaaaatcct aacagatttt aacagttgct taaatattat ttcttggcat 60
atatagcttt ttaaggctgt gggtcaaaga tagatgtact catttgagac ttagtgattt 120

gttttataag tatgttgaat aagttgagcc agtttgaatt gtgtccttct cttttaaaga 180
aaagatttcc caaatttaaa cctggattta gatgtttttt gggttaaccc tactgaactt 240
tccaaaattt tcaggcttct gggcctaact caaactgtaa tttcatgagg ccggccaagt 300

<210> 420
<211> 300
<212> DNA
<213> Homo sapiens

<400> 420
attacacttg aatatttaaa aacaaaactt ttaaacttcc tataggttta tgatgtttgt 60
tttcatttat atggacataa tccttcatag ctcagtttat atgccattgt tgtattagaa 120
gggatcaaaa tcctatggaa caaagtagtc ttggcaagtt ggcagtttgt gtcctctcag 180
ctgtttaact tatgtaatgg atgttttgca cctgaaaaca ctataaaaat ccagtggttg 240
tttaaaaagt ccatttgtca ctaattccat tcaggttctc caaccttctt cttgaatatc 300

<210> 421
<211> 300
<212> DNA
<213> Homo sapiens

<400> 421
agatagtctc tgaatttaga actgggacga aagtgtacat aataggctat tataaaattt 60
ttagaattgg atttctaaac ttggggtcag tgaatctagc aggcttaagc agtgttctca 120
ggtttttctg gcacagacaa ggaatataag aggaggagag aaaaggagag acagtagtgg 180
gagggaatag aatgagagaa gatagaaaat atggaattaa tagagaaagg atacatgaag 240
tattacaaga ttttcttgga aaaattggca tttcagtgat ggatcaaaga tgtctaatga 300

<210> 422
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 422
gcccagtacc ctcccacctt tgaccggtac caagggaaga acacctacct ggagaagatt 60
gacggcttcc gagcctatta caagcagtgg ctgacagtga tgcccgcaga ggaaaccccg 120
cacccctggc agaagttccg gaccaagccc caggggggacc aggacaccgg caaggaggct 180
gatgacggat gtgcccttgg gggcaaggtg atgggagcac agcttggaac aatgtgctcg 240
gccccagtgc tttgtggaan cccnaggnca nttacnttgg ggtnacctct ggcctggggg 300

<210> 423
<211> 300
<212> DNA
<213> Homo sapiens

<400> 423
gctaattcag catcttcagt agcttctaaa aaataagcat catcaatgcc attatcccag 60
acagcatcag cagatgcacc tgttgacagc ctgctaggtg atggtttatg aggattctgg 120
gtttcattgc tcctagtttc atctgcttca tctgttgtaa actcttcttc ctttatttca 180
gtggtgaagg gatagagagt gggataggaa aatatttact caggatatgt gatttaacct 240
tatactctat gttgaagtaa ggtattaagt gacagatact aaagtgaata tgcaggagga 300

<210> 424

<211> 300
<212> DNA
<213> Homo sapiens

<400> 424
cttttccctc ccaaagttct gggattacag atgtgagcca ctgtgcctgg ccttattcag 60
atcttgaaaa ttccttttgc cgtataaggc aacatattca caggttccag gattaggcca 120
tggacaattt tggggaggta attattctgc ccactacacc ttgggaggca ttcatttgct 180
caccttttact ttctttcctc tccctgtctg tactgatacc atggatagtc tatcttctct 240
tcacttcctt ctccaggaat ttcatttatt ctcatacatt tgatatttaa tgaggatgac 300

<210> 425
<211> 259
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(259)
<223> n = A,T,C or G

<400> 425
ggggagccag agaagagctg tgagcaggga agggataggg tcaactctag tgacatcaca 60
ctgatggaca ggagataaga ggccagggag gaggctgggc ggagagtcca gagcggaaag 120
tgagtgccca gctctcactt ccttatgtct ctctctgctt cttacggccg ctgtccctga 180
atgtttcttc cctgtctggg tctgggctgt gggcttcctg cagagggctg gggggttttc 240
acccctttt tntnccnta 259

<210> 426
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 426
gacagaattc acattgggat ccagtctttt cctcttatga atgggtctac cgccaggtga 60
cgctcaattg cacgaagctt acccttattc atatgaggan ncnaccnaan ncacattngc 120
attnatgtnc ctntnngatn aagagcgcnt gcnnancctt ccctntntgc ccngcagacc 180
cncactnntn cccacttcca tgcccnnnnt nccatnangc tnacntttnc gctncntctg 240
acggtcncnt ttgccctctg tcccnanaca nncagcnggn tncaccanca ggaagctttt 300

<210> 427
<211> 300
<212> DNA
<213> Homo sapiens

<400> 427
tgtttttgtt tgggaggtat ttctgaactt aaaaaggaaa attgcaaacc attataggga 60
ctagtttgcc tttggaggaa aaggaaaatt gcaaaccctt ataaagacca atttgccttt 120
ggaggagaaa gccaatttat catccaaaat cctcagaatt ctcaaataca aaaagttctg 180
aaaactgaaa gtttcttctt aagtttggtg gcaaaagtta tttatagtct tgacttatcc 240
catttgatgt gaatctgctt acatttcatt gcacaaaatg tttctgtgat tgtgaaatac 300

<210> 428

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<211> 300
<212> DNA
<213> Homo sapiens

<400> 428
gcacacacac gcacacattc cgaagttgac agactaacat acacacagac atgatgacaa 60
ccaaaagctg ggactccaca cactgaatgc aggactttag gcgggggca gagagagaag 120
gtgctggggc acaagaggca agggtatgaa gtccctccaa ataggagtgg agtgccaact 180
gccctgcctc gctccaaaca cctgactcct gggccatggc aagagtccag tccattaagt 240
gcagcgtgca atactagcgc ttggagtctc ctgtcctcat caatgaagcg gtgtggacgg 300

<210> 429
<211> 300
<212> DNA
<213> Homo sapiens

<400> 429
agatcactca aaatttgcat gtgaagaata taagcagagc atcggtagca ctagttcagc 60
ttctgttaat cattttgatg atttatatca acctattggg agttcaggta ttgcttcatc 120
tcttcagagt cttccaccag gaataaaggt ggacagtcta actctcttga aatgcggaga 180
gaacacatct ccagttctgg atgcagtgct aaagagtaaa aaaagttcag agtttttaaa 240
gcatgcaggg aaagaaacaa tagtagaagt aggtagtgac cttcctgatt caggaaaggg 300

<210> 430
<211> 300
<212> DNA
<213> Homo sapiens

<400> 430
ccacgatgag gaggaggatg agtatgaagc agaggatgat gaagaggaag aagatgaagg 60
cagaaaggat tcagatactg agtcatcaga tttgtttact aatttgaatt taggaaggac 120
ctatgctagt ggctatgctc actatgagga acaagagaac taggggagct gctctggtgg 180
ccgtgtgtga gaggagcagg agtgagtgtg tgtgcttgat gaattgtgtg tggttgttca 240
aaagtacctt agccacttag ccttgtgcag aagactagtt acacttaatg ggccaagcaa 300

<210> 431
<211> 300
<212> DNA
<213> Homo sapiens

<400> 431
cttgaagcca ccttttttc cctccaatca gaccactgct gtaaaccaca ctgacactat 60
tgtagtatgc ttttttccta tacccataac acagtgggag attaaaaata attttgtagg 120
gtaggaagag aagtggatag agagccagga gatctaggtt tgggtgctgc tggtcctgca 180
gttaagcagg catatgtctt tgggcaagtc atttcacttg tttagattaa ttttctcact 240
tatgaagtga gggatttgga ctgcttagcg aggtactttt catctctaaa atttatgaat 300

<210> 432
<211> 300
<212> DNA
<213> Homo sapiens

<400> 432
gatagcaaaa cctgattttt caaccatgac ctgcatgaga gaagcatcct aggaagtctt 60
agatcatact tttgagtttt taattttaat ttatatagtg tttttttatg tcttaatatt 120
tttgtgaact ggtgtaaatt gttaatgcat ataagcttgt gtatttttgt aaatagtttt 180
gtgatttatt tcttgcccca tatgtaaata tttagagtct catttcttgc aaacttattt 240
gaagctgagt tgtgggtttg ggttttgttt gtttctttgg ttgcagggtg gggtgggggg 300

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<210> 433
<211> 300
<212> DNA
<213> Homo sapiens

<400> 433
gcactttcca tcaccaggcg cgggagtttg ctgtgaactt gcggaaccgg gtgtctgcca 60
tccatgaagt gcccccgccc agatccttca ccttcctcaa tgatgcctgc cagggactgg 120
agcaggctcg gaaggtgctg gcctacgcct gcgtgtacag cttctacagc caggacgcag 180
agtacatgga tgtggtggag cagcagacag agaacctgga gctgcacacc aatgccctgc 240
agatcctcct ggaggaaacc ctgctgcggt gcagagacct ggcctcctcc ctgcgcctcc 300

<210> 434
<211> 300
<212> DNA
<213> Homo sapiens

<400> 434
cattcatata atgatcctat gaggcagaag gaaattaatc agatgttaag tcatgtgtcc 60
aagggcattc agcttagaaa tggaactggg atttgaacct agagtaacca taaaatcctt 120
ccttttctac accaccatgg tacctcctag atgaagctga attttgcctc taagctacta 180
gtcctcacaa tttagtttac aagtcatctg gggcataaaa accagacacc tagaccttat 240
gtagagattg ctacagcaca ggaacaggtg tcttagcaag catgacgtac aactaagatg 300

<210> 435
<211> 300
<212> DNA
<213> Homo sapiens

<400> 435
tgtttttgtt tgggaggtat ttctgaactt aaaaaggaaa attgcaaacc attataggga 60
ctagtttgcc tttggaggaa aaggaaaatt gcaaaccctt ataaagacca atttgccttt 120
ggaggagaaa gccaatttat catccaaaat cctcagaatt ctcaaataca aaaagttctg 180
aaaactgaaa gtttcttctt aagtttggtg gcagaagtta tttatagtct tgacttatcc 240
catttgatgt gaatctgctt acatttcatt gcacaaaatg tttctgtgat tgtgaaatac 300

<210> 436
<211> 300
<212> DNA
<213> Homo sapiens

<400> 436
gtgtccactc tgtaggcagt ttgctaacag tgttcttcca tgttatcctg gaagcaatgt 60
ggaaaataac ccttggcaac gtcctagcaa caaaagcata caagatctca taaaggaagt 120
ggaggagctg cagggacgac cgggagcttt cccagtaagc atcagttcag aaacaaattt 180
aagtaaagaa atggaatctg taatgaaaga tataaaaaat accactcaga agaaatatag 240
agactatagc aagaccccgg gctcaccaga caatgatttt ctctttatgt actctgttgc 300

<210> 437
<211> 277
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(277)
<223> n = A,T,C or G

<400> 437
aaaatatttg ttaatcaaat gaacatgatt gctaaaaggg ccaaagaaga ttacaataca 60
aaaagtataa taaaagaaaa ttataaattc taaaagcatt caaggaagct gtctttgaat 120
ttgaaatgca ttgtctatag aatatccact cagtggaata taatatatac cttgtgatat 180
gtggatatag atctcactaa tttctaatga tgctttanaa tttngntact nccgatggtn 240
tggnatgngt cttngnaacn nntnnntnat tggtgtt 277

<210> 438
<211> 300
<212> DNA
<213> Homo sapiens

<400> 438
gaagaactgt atgtcaaata attcaaaagg ggcaaaactg aatgtagtta tgtgggaaag 60
ccttcagaaa taatttaaat ggcactgttt atcagagtat gtatgccgag gaaaactaag 120
aatttagtga gcttataaaa ccatggtagc caggcgtggt acgtagctca cacctgtaat 180
cctcccaaag tgctgggatt ataggcgaga gccaccacgc tcagtgagta tgacattttt 240
aaaagaacag tataaagcat aaaatatccc atgtggggca aactcccaga ttattttcct 300

<210> 439
<211> 300
<212> DNA
<213> Homo sapiens

<400> 439
tttttttga attattgaga atatttcttt ggacccacaa ctataaaatg tgaaaaaaaa 60
taaaaagtat gccaaaaggg ccacgtgttt ctacaacaca cgaaagtaaa gaataatact 120
gcatgtctaa tatgcaaata aaatgtctct gccaaaatat cacaacttaa aatgccatta 180
tgaaacaaac cacagaaaga ccttatttgt gttacatacc aggaacatac caaaatttga 240
atgtctgatc cacacagtga ttcacataag atgataaaga aacaaatgga tattttgtga 300

<210> 440
<211> 300
<212> DNA
<213> Homo sapiens

<400> 440
aaaatattta acttataata atcaaggact caaaagatga aaaatagaaa ttacaccatc 60
ccagtatttc aggtataaca cagaattagt aagatactgg caaaaatatt acaatgtata 120
tatttgtata gagaaggaaa atgaagagac tgcatgtcta tacctaccaa acgaaactac 180
ctgtgttctt tgcatcatta ttcaactggc agttacacat atttcatcct aaagtcacgt 240
aaacctgtgt ggatatgttg aatcaatagg gatatgaatt acataaaaag aattttgtgt 300

<210> 441
<211> 256
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(256)
<223> n = A,T,C or G

<400> 441
tgactgcaat cctaattctc acatgttttg gggaaaaaat tttaattttg aaaaaattta 60
ggaaagttcc taccaaatat acatgtataa agtttattaa aagtcataat gacccaggaa 120
tagctaatga cacagaagta gatcaaaata gaacacanta gagaacttna nantaaaaca 180
ggcgtnnnaa ttntgtnccn nnctnnttgc nnngncnntn tcaccnctng cccngcncnn 240

cncncgtgnc nntcnc 256

<210> 442
<211> 187
<212> DNA
<213> Homo sapiens

<400> 442
gagctctctc tggaaagctc gcactggaat ggagaacaca agcaggaaat gtgaaaagta 60
acggttgaaa gccttactta tgatgacaca tagggaggca ggtgcatatc ttacaattct 120
agacacttgg ataccttggg aaaccatatt gaaagttacc ttgatttctt tctttctttt 180
ttttttt 187

<210> 443
<211> 300
<212> DNA
<213> Homo sapiens

<400> 443
gttggcacct tcagttcagc acagcctgag cagtgagaag gtctgaaagg agagtatata 60
gttaagatcc ttgagaaagg gctgcctgag gaactgacct cttaaagatc tcaggatctt 120
taagacaaca agttaggttc ctactggagt tacctgccag aatggcctct taattaactc 180
aggtaatgaa gagctaactg tgttataatc atcttgcttt tgcctgaatt tggagaaagt 240
attataatta agttcccagt atcagaaatg tccttacata agattaaaat atcttgatga 300

<210> 444
<211> 300
<212> DNA
<213> Homo sapiens

<400> 444
tctggataga aatgcagagg aggctgctct acagctggac agtagtgagc tctgggccgc 60
catgagactg cctgctccat gttgtatgtg gggcagatgt gggagaagga tggtgggaag 120
aatggcttcc aaactgtcga ttgatcagat aaacaaggga ggatgccagg ggataatgcc 180
aagaagaggt gggtaaagaa aggaaaggaa tccacaaaag ggaggagggg agtgcaggtg 240
tgcatgtgtt ctgaaaagtg ctcatgcaca tacagtttgc ttattattta aaaacttact 300

<210> 445
<211> 300
<212> DNA
<213> Homo sapiens

<400> 445
gctagcttgt attgttgtgg cttccttcgt tctctgctgg ctgccattct ttacagaaag 60
ggaacaaacc ctgcaggttc taagaagact cttcccggtt gatcgtggat tatttgagga 120
taaagtagcc aatatttggt gcagcttcaa tgtctttctg aagattaagg atattttgcc 180
acgtcacatc caattaataa tgagcttttg ttttacgttt ttgagcctgc ttcctgcatg 240
cataaaatta atacttcagc cctcttccaa aggattcaaa tttacactgg ttagctgtgc 300

<210> 446
<211> 300
<212> DNA
<213> Homo sapiens

<400> 446
gtcaccttta aggaagaaag taaatttgaa ttgtcaggaa gcaaagttat ggagcagcaa 60
tctaatctac agccagaggc caaagagaag gaatgtggag actctctgga gaaagacagg 120
gaaagatgga gaaaacatct gaagggcccc ttaaccagga aatgtgttgg agcttcacag 180

gaatgtaaga aagaggcaga cgagcagtta attaaagaaa caaagacatg tcaggaaaat 240
tcagatgtgt ttcagcaaga acaaggcatc tctgacttac ttggaaaaag tggaattact 300

<210> 447
<211> 300
<212> DNA
<213> Homo sapiens

<400> 447
ttttagtcca gtggcttgta attaagtcat ttttagtctt taattatgtt ggttgctttt 60
agaattctct tttagagttg gtctacatcc ttttaaaaca tgggcaatcc aaatttataa 120
cagtaaatta agatacataa aaaaaaacac tggctaaatt taaaaggaaa cacttctaga 180
atatactgta ttttgacaca agaccagact gtgctatgtg tatgtggtgt ttcaagtaat 240
ttaagaaaac tgttggaatt ttctgtattt ccagtttcac aagaaacaac ctcaaggagg 300

<210> 448
<211> 285
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(285)
<223> n = A,T,C or G

<400> 448
gccaggcaac aggactaaac tacctccaaa gcaagcagtc ttttcagttt tgactgagtg 60
atgtgaggaa cttcttttct tttntttnnn ttcnttttтn tnnnngnttt ttttgaanct 120
gnttnngttt nnnttntana nggtncatgt ttagctgnnt ttttttttтt ttttтaatnt 180
ggnaanttat ttgngtnntt tgtnagngan ttttтnttnn nnttttatan gttntnaggn 240
ngnancccnn tttnntcnnt ttttttтnna aaattngngt ttttt 285

<210> 449
<211> 300
<212> DNA
<213> Homo sapiens

<400> 449
gaaaaaacca atttaataga aaagataggc tttgcttcag gaagctggtt gagaagaaga 60
aggaaaaagt cgattctact gactgacgtt tccccctgct gttaagaatc ccaaccacac 120
actttcacac actattccag gttctggcta ctgaatgatc ccacagctga ggtctattgt 180
catcgctcca cttctatttt tagcagcact aaaaacattc ccaaaaaaaa tgtttttтag 240
ctttttaact gtagattcac cactaagaaa ttggcattgg aacagtccac agagcttatt 300

<210> 450
<211> 300
<212> DNA
<213> Homo sapiens

<400> 450
cagctgccct ggaggtgttt accatgtccc ccattttcca gaaggcgaag ctgggacatg 60
gattaggtca gctgtccaag gtcatggagc aggatccaaa ggaggcctgg agagtgccat 120
ctgtctggcc ccttctttgt gctgcctcta gaggatactg gggaagcctc ctcttgtctg 180
actctgccag gataccctтg gccatcaagt gctcagctaa gccacagtgc cactctgggt 240
caggccgacc tgggcccagc tgtgcaggat gaggtacagg aggcagctgc cacagctgct 300

<210> 451
<211> 300

09/529,305

<212> DNA
<213> Homo sapiens

<400> 451
ggtaattaat aagcagacaa atcagaaaca atatagaaga tctgaaaaat agagttgacc 60
agctctaatg ggtccctgta tccaatagtt agagatgggc attgttttta ggcacatgtg 120
aaataatggc ccccccgttc tggcccagca gaaattatat acttggcaac aagtctcatc 180
acatttaaa taaactgtca aaaagataac attctcatgt ttccgcaatt taattttaaa 240
atgaaattaa attttttga aggtaaaata catttggaa atctaaactg tttaactctt 300

<210> 452
<211> 300
<212> DNA
<213> Homo sapiens

<400> 452
ccattgttag catcgtacac gattgtgatt tttatgtcaa aagaagccaa aacttgcaat 60
actattttta gcagacaaaa aaaagaacta agtataaaat gtataaatat ttttgacttg 120
aacatttgga tggcactggg tgcaagtaga gcatccatcc ttcggatgga atgtttggaa 180
aaaagagact tttaaaaagg agacggttgt tttaaagagt ctgtttaggg gttaaagtac 240
tgtaactcac gactgttaaa aaataaattt tcctgtgctg taaaggaagg tttcacagta 300

<210> 453
<211> 286
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(286)
<223> n = A,T,C or G

<400> 453
atcgtattta ttacttgttg tataggggta gaaaagagga ctgtcaatac aacaagtaat 60
aaatacgata tatatttcat atatagaaca ttagaagggt aaagctctac agaaaaaaaa 120
aaanggnggg caaggccggc cncaggggct nacncctgna atcccagcnn tttggnaggc 180
tgaggcaggg aaatnacctg nggncaggag ttcaanacca gcctggccaa cangggaaa 240
ccntgtntnt actaaaactn caaaaattac ctggncatgg gggagg 286

<210> 454
<211> 300
<212> DNA
<213> Homo sapiens

<400> 454
cagatttcca aattgttaac actttgctgc atctgatgtt ttccacctct attgtatgtg 60
ttttttttct ctaagccaat aggagtaagc tacaggatat gacacccctt gacctcttaa 120
tatttcagtg tatttcctag aagcgaatgc attatcctat atagtcacag tgcctgtaac 180
cacaccagga agttagtatt gccaccaggc ctcacactgt gtgcagtgat gtttcacagg 240
ctcacccact gtatatagtg atatttctag tccccttcag tcaggaacgg tcccttgcct 300

<210> 455
<211> 300
<212> DNA
<213> Homo sapiens

<400> 455
attgcctccc agcttgggag catccaaagt agaaccatga ctgggtcatg aaatgggtta 60

atttggtttc tttcattaca gggcaaagtt ctccctgtgg actgagaaat aaacatatta 120
taaaagttac atatgctcat agaatagaaa tcaaagagta aaaagtattg agtgtaaaaa 180
acaagtgtct tttttccccc cagtctaact ccccagaagt aacctttttt atttttatg 240
ttatttttc ttaccttcaa ggaaggagaa aagtaaccat ttttgagttg atgcgtatcc 300

<210> 456
<211> 300
<212> DNA
<213> Homo sapiens

<400> 456
gagggaggat cccctgggtt gtgcatatgg cgggaagggg tattccagga gtggaggatg 60
tcagcagggt gggaatggga tcagtgaggg gaggaggagc agaggagtca gaaggatcta 120
agggtagggc tgaaggtggg aaaacaacct gtagggctgt ttaggacacg gaaagggcct 180
tgactttgct gccaacgaag atgtgaaggc tccaggcaag ggtaacaatc taacttacat 240
tttatgaggg tcctgtggca gctgtggtga gaacagactt taggggtgct gaggtggatc 300

<210> 457
<211> 300
<212> DNA
<213> Homo sapiens

<400> 457
gcccgttctc cctttcttgg ttaaacggat gaagaaataa aaatgccatt ttcatttgta 60
aacttgtatt tttgtattta tatttaggag tataaaatgt acttatattt aggactacaa 120
aaatgtacct gggaaggtga cgggacctct atactcaggt taagtctcga ctgcacactg 180
acaggagtat gtagaccatt ccatttccct gaagactcag ccttgttagt atcaggactg 240
gtcggcagat gtgcaggaaa aggtggcaag aaagtgcaag ttctagaagc cgatgatatt 300

<210> 458
<211> 300
<212> DNA
<213> Homo sapiens

<400> 458
actggcccaa ttaatattca tgcctgggag tattagatag gtgctccaaa aacaatatag 60
atcctatttc caaatgagga ggagtggatg cagagttgaa aggtgaaaaa aaaaaatgtt 120
ctttatagtg ctccagtttc ctttcttaga aaagtctaac tactgattga ttgattgatt 180
tacttattta gggttggagg tgcagatttc attgacaatc agaaagggca agtttgattt 240
gtcttttcat cctaaaagta gcaacaagtg tttgcaaaag gctggctctt tgttcagtgc 300

<210> 459
<211> 300
<212> DNA
<213> Homo sapiens

<400> 459
gagatgtgtc atcctggtga atgtcccttt aactgcaacc agaaggtaaa acttaaatgt 60
ccttgtaaaa gaataaaaaa ggaattgcag tgcaacaaag tacgtgaaaa tcaggtttca 120
atagaatgtg acacaacgtg caaggaaatg aagcggaaag catctgagat aaaagaagca 180
gaagccaaag ctgctcttga agaagaaaaa cgaagacaac aggctgaact agaagctttt 240
gaaaacagac tgaagggtcg tcggaagaag aacaggaaaa gagatgaagt ggcagttgag 300

<210> 460
<211> 300
<212> DNA
<213> Homo sapiens

<400> 460
ttttatataa gcagtactct ttctcagttt ctcttgaaca ttcaactcat tagtgagtgg 60
ttttccccag tcatttccat ttttctttat ttggctctga tagttttctg tttttgtttt 120
tcagagataa tcctttacta tactaaattc tacgtgatta tattttccac ctctatttgc 180
ctatatttat ctgctgtctt ttccttttcc atatatgggc ttatttttt tttccctctt 240
cttccttttc taccttggt atttaaaaag ttacttagga ctgagtgcac tggcttacgt 300

<210> 461
<211> 300
<212> DNA
<213> Homo sapiens

<400> 461
gagatgtgtc atcctggtga atgtcccttt aactgcaacc agaaggtaaa acttagatgt 60
ccttgtaaaa gaataaaaaa ggaattgcag tgcaacaaag tacgtgaaaa tcaggtttca 120
atatgaatgt gacacaacgt gcaaggaaat gaagcggaaa gcatctgaga taaaagaagc 180
agaagccaaa gctgctcttg aagaagaaaa acgaagacaa caggctgaac tagaagcttt 240
tgaaaacaga ctgaagggtc gtcggaagaa gaacaggaaa agagatgaag tggcagttga 300

<210> 462
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 462
ccgtggcccg tgggggatac agaggcagag gaggtcttgg tttccgtggt ggcaaagggc 60
gtggtggcgg cagaggtggt accttcactg cccctcgagg atttcgcggt ggattcagag 120
gaggtcgtgg gggccgggag tttgcggatt ttgaatatag gaaaaccaca gcttttggac 180
cctaaaaggt ctggattgat cgtactgctt tctgaaagaa agacgtcaaa gctgctgcat 240
agtctacaaa cnngtctctg aaaatangtg aatttctagc tcttcatggt cctgaacatt 300

<210> 463
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 463
attggagtga catttctcac gtgtgaattt ttcacataac taaaaaacaa acctaaaaaa 60
aagttagagt taaaaaaata gtaatacctt ccttttaggc cagttgcggt ggcttacgcc 120
tgcaatccca gcactttggg aggccggcac nggtggataa tttgatgtca ggaggcttac 180
cagcctnngc agctggngaa nccctatcan acctgannan nnngnnantn tntgctcatg 240
nggtcttcaa nttnttttttn tcttntgctt ngntaccant ngncactgct ccatgttaaa 300

<210> 464
<211> 300
<212> DNA
<213> Homo sapiens

<400> 464
tgtacttaac tgttgtgtga tgtgtgcttt tgttaggcat cactgtgccc aagtatttca 60
tgttcattgt aaagaggaaa aatacagatt tctctataat gtcaccactt atttctaatt 120
gccacttttc atcttgtgga aatgccatgt tttgattcag tcttctgaat ttgaacatta 180
ttcaggttat ttccaattgc tgggaatatc cttactgcta aaataaattc ttagcattgg 240
aattgctagg tcaaagatta tgcatgcttt ttaagggctt ttgaaatgta ttgccagtct 300

<210> 465
<211> 300
<212> DNA
<213> Homo sapiens

<400> 465
aatatcccca aataacatgt cttacatgtt tggtaagact tactgtaccc tgtcctagaa 60
gatagaagat gccctgccct tagaagacaa agagactgta gagctatgcc ttctaaatct 120
taagccactc ttcagataat ggatcccttc atggtcagcc caaacatctc aagaactttt 180
aatttgtacc gtttgtcttt ttttccattt atttaatacc acaaattcac tttattatta 240
tgaagccaat atctacatct tctcacaaag attctcttaa gaaatgcaga actggccggg 300

<210> 466
<211> 300
<212> DNA
<213> Homo sapiens

<400> 466
aggacatgaa aaggagtgaa agttaagaaa ccttagctgt agtgtttgga attaacactt 60
gggaagtcat gattgacaaa tagagaaata taaatttgtt ttatatcagt tatatataca 120
tatttataac tgatataaaa caaattagat tttgacatta gaaacacata tacacatact 180
gtaatatgta ctttcttcat tctctttaac ctatattctg gttttaagtt tcctggagcc 240
cgtggagtaa tgggacagga aggctcagag ggtctcttta ctgatagtta agatacaaaa 300

<210> 467
<211> 279
<212> DNA
<213> Homo sapiens

<400> 467
cgggttggag cctggcgtag tcatggccgc cttccgcgac atagaggagg tgagccaggg 60
gctgctcagc ctgctgggcg ccaaccgcgc ggaggcgcag cagcgacggc tgctggggcg 120
ccacgagcag gtggtggagc ggctgctgga aacgcaagac ggtgccgaga agcagctgcg 180
agagatcctc accatggaga aggaagtggc ccagagcctt ctcaatgcga aggagcaggt 240
gcaccaggga ggcgtggagc tgcagcagct ggaagctgg 279

<210> 468
<211> 300
<212> DNA
<213> Homo sapiens

<400> 468
aaacaagcga cactctagtg gtgatgggaa tagtaaatta aaaagtgagt agatggattt 60
ggacaacata aagcaacaaa atttgagatg gttgaatgag ggccggaggc catgatgaaa 120
agggcacttt ggaaagggtt ggggtggaag ggaaatattt ccgggtgggt gtgagctgtt 180
gggcttccag gtcagctctt ggccatgcag ccatgcctgc aggatgatca gaagtcacgg 240
cacctcatgg gaaggttaag actggagcaa agcttttcca aggtgagcat attcagcgtt 300

<210> 469
<211> 300
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 469
cttgatatca atggcctgcc atatggtctg tgtgccggct gcgtgaatct cagtaagagc 60
gccagcccag gcattaacgt ccctcccggc acgaatagac caggcttggg ccagaatgag 120
aatctgagtg ccattgaggg gaaaggcaag gtgggggggac tgaagacacg ctgctctagc 180
tgcaacgtta agtttgagtc tgaaagtgaa ctccagaacc acattcaaac catccacgan 240
agctngtgcc atacngcaac ngcanncngt tnaaaanccc caagtatncc antgcccaaa 300

<210> 470
<211> 292
<212> DNA
<213> Homo sapiens

<400> 470
gtgaaatgat ttgctgcact gcaagggagg tgagtgagac caaggaacta cacccaccaa 60
gatcccttcc aagggtctaa gttgcttctc taatcagaaa cctctcaaac ctttgcgact 120
gtgcacatag gtcccatgat ggctttggca acatttacct gggaccaggg tgaacttcgt 180
accatgtatt gcatatgaga aaagaaaaga atgtttgtca aacaaaccac tatgttttat 240
tttattttat tttagtgttg ctggtaggtg tgtagtgagt tctcagtgtg tg 292

<210> 471
<211> 256
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(256)
<223> n = A,T,C or G

<400> 471
gctctttact tggtgaacac atattgtaag aatgtgaact gatgattgga aacattactt 60
ttgacaagtt cccatacttg aaatactaca aaaacatcac ctaacaagca gaacaaccat 120
gaatgggtag acattgatta aacatttaaa aagaaacaaa aaagggagat ggcaaaaaaa 180
aaaattgttt acatctgttt taattgattg ggtgattcat taatcattnn ttgcttataa 240
nnnntacntn ntccta 256

<210> 472
<211> 300
<212> DNA
<213> Homo sapiens

<400> 472
cacaggccct tttgtgatgc gttccacgtg taggagatgt ggtggccgcg gctccatcat 60
catatcgccc tgtgtggtct gcaggggagc aggacaagcc aagcagaaaa agcgagtgat 120
gatccctgtg cctgcaggag tcgaggatgg ccagaccgtg aggatgcctg tgggaaaaag 180
ggaaattttc attacgttca gggtgcagaa aagccctgtg ttccggaggg acggcgcaga 240
catccactcc gacctcttta tttctatagc ccaaggctct ctgactgact ccgtcccaga 300

<210> 473
<211> 300
<212> DNA

<213> Homo sapiens

<400> 473
gcagttttcc agctctaagc accggcaaaa gaggaaagct ttggcactgc taatcctcct 60
ttctacacaa cctccctccc tcctgcccga gttcctcctc gcacttgctc tgtttgtcct 120
ctcacctttc tctgtcaaaa tctgcacttg gatatgagcc taggatcagt catttggacc 180
ttaatttcag tgtgtgtgct tcctttgcct caaattgtgg caagaaaaat agtcgttcct 240
cattaaagca gtatcagcta tccttgagca caagtgggag gttgggtatt ttttggagac 300

<210> 474
<211> 300
<212> DNA
<213> Homo sapiens

<400> 474
gcaccacaga ataagagttt gccgtgtaaa gacaatatcc ccattcgtca tgctcttatt 60
ttcccgtggg atatttgcat acaaatgcat gtctgttacc aaaatattgt gtaacacaga 120
cagaaaccac ctgtttttgt ctttccttgt ttcccttaat atttcatgaa ttgtctagca 180
aaaatggtag gatgcttctg tagttcacaa atgttacatt tcagagactt tagaggaaaa 240
attattttaa ataactgtca actgtttcat tgctttttaa atttttcacg tgcataaccc 300

<210> 475
<211> 300
<212> DNA
<213> Homo sapiens

<400> 475
cttaatgttt ttcaattgct caacgaactg tcagccctgt cagatatcat atatctggta 60
aaattacccc ttaggaatga gggggaaata aatacatact agatgaagga aaactaagag 120
agtttgttgc tagcagacct accctaaaag aaggctaaag aaagttcctg gctgggtgca 180
gtggctcacg actgtaatcc caacactttg ggagactgag gcctgccaag ctgaggccag 240
gtggacagct tgaagcctgg agttcaagat aaccctgggc aataaaggga ggcctcattc 300

<210> 476
<211> 300
<212> DNA
<213> Homo sapiens

<400> 476
ccaagatatt cccaaatctc caaatttaaa aatagctctt tcgcacacga tttctcccac 60
agaatgtagt aatgtagata tgaaacattc aggtgaactt gttagaacta atggttctat 120
aaataaaaac tgacatcatt cataaagtta tttaaataaa ttttgtcact aaaataaatt 180
tatatgttac atcattgcta ataatgattt taactgtgag ttttcttttt gtaaaaaaga 240
attgagccaa gccccagggt ttttctaaca agctgacggg atacttggct ggggttctca 300

<210> 477
<211> 299
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(299)
<223> n = A,T,C or G

<400> 477
atccaattat ttctagaaat cccattgatt tcagggaact gaatttgata gccaggaggc 60
attccactgg cttcttaaag gacattattg gttttcattt tgttttgttt tgatttcaat 120

tgcaactcaa acaatgaatc ttccaaagat ggttaccctc actctacaaa agtgctaagt 180
taatattctt taaaataaat acaagcattt cttggactag ataccatcaa ctttaatttt 240
atttttctca cataaatggt aacccaaaac ttaatgaaaa tttccttntg ncacacagc 299

<210> 478
<211> 281
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(281)
<223> n = A,T,C or G

<400> 478
ttttatgaaa gccctgggac tatagattta gctgattaaa tttatagaaa aagtcctgtc 60
atataaactg gcaaagtctg ttcttaattt aattagccaa atcagactta acttccgtca 120
gaacatgtct tggttttaat tcagataaac acacnaacat acttctctgg cacagccttc 180
anaancatcn gcttttgntc tgttntcgtn cnnnnncgtg nnctntcntt cnnntncgct 240
gctcctcgnn tngccgtntt gngncgnnag gtngtcgctc g 281

<210> 479
<211> 300
<212> DNA
<213> Homo sapiens

<400> 479
acttgtcatg gagctggcac tgtggcgctc tcccgtcccg cggtggttgc tgctgctgcc 60
gctgctgctg ggcctgaacg caggagctgt cattgactgg cccacagagg agggcaggga 120
agtatgggat tatgtgacgg tccgcatgga tgcctacatg ttctggatgg ctctattatg 180
ccaccaactc ctgcaggaac ttctcacaac tgcccctggt catgtggctt aagggcggta 240
caggcggttc tagcactgga tttggaaact ttgatgaaat tgacccccct gacagagatc 300

<210> 480
<211> 300
<212> DNA
<213> Homo sapiens

<400> 480
ttttagatct tctgaagtat atcagtggct ttaatgacaa atcaggccca ttttctcctt 60
tcctatcatt atgctgtatg tatagataga atatgtattt tagatgtttt attgtttagt 120
tattatttta gtcttatcct tctaaagttc agcaaagctt taggtaaatg gcgtggattt 180
ttgaaatcct gcattcagtc gctagctgac atttagaata caggaatagt agtttcctgg 240
aaaacagtga cacttatgtt aaattcttgt ggtttttaca aagtgaggtg tcaacacaga 300

<210> 481
<211> 300
<212> DNA
<213> Homo sapiens

<400> 481
gataaacttc acttatcaat attacttata tttggctgca tgcctctgac acttcatctg 60
gcctcatgtg ttttccattt tttctttctg aacagactag cccatgcccc ctgcccacct 120
catctcacct ccacctcttc ccttctccat tccccttgg ttcacccttt ggcagaaggt 180
actggtggct cagcctgcat gccgctgtct ctcctctcgt gctggcatgt catggtggca 240
ctgttgtgat ctcttcctct tccttttttac taacagacgc agaccaaact ggagcatgcc 300

<210> 482

09354596

<211> 300
<212> DNA
<213> Homo sapiens

<400> 482
aagaagaaaa attacaagaa aacatctggt ttttgcatgt ttgatgtgtt tgtgtgtgtg 60
tgcgtttaca gttttaactg atattaagtg aagatagatt aatgtcaccc aggttttaca 120
aaatcaaaga aatagaaata attttaaaga cttttggtac ttgaattact ttgttgtttt 180
ctggtcattt agtacattta tggaacctca gaaggtttga gttgaacaga ggcaagttac 240
agcagttttt tgggtgggag aattcataag tcagcatgtg aatcttttga tctcatatat 300

<210> 483
<211> 287
<212> DNA
<213> Homo sapiens

<400> 483
caaacttctt tgtcttttga atagtgtgcc tttaatagaa cacatatagc atagttctag 60
ggattagagt cttctgactt cattactatt tttacagtaa tttatatctt ggtttcttca 120
attagaaaaa aaaatcgggc ctgatttttt atttcattta ctagctcagc tgttctcaca 180
cctacctgct gaattagaag ggacaagtat aatccatctt cttttcttct ttccctcctt 240
ctgtaataat gtttttctat tttgcagggg taatttttt ttttttt 287

<210> 484
<211> 275
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(275)
<223> n = A,T,C or G

<400> 484
gcggagggga aatggctgcc gaaaacaagc cggaagatga tcatgggaac agcaatagta 60
gtcatgtaaa aatcttttta ccgaaaaagc tgcttgaatg tctgccgaaa tgttcaagtt 120
taccaaaaga gaggcaccgc tggaacacta atganagatt atgatgcatt tgtcttnttn 180
ttttttntat nntnttnntn tnnnnttttt ttntttntat ntantnnttn ntnttntann 240
nttttttnnnn nttttntttn ttngggactt ctttt 275

<210> 485
<211> 286
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(286)
<223> n = A,T,C or G

<400> 485
ggtaagtgct tagaacaata tctaacacat agtggttgcc cagtaaatgt gagctgtgtt 60
gattttgaga ttataactac aataataact ttttcaaatt gatacatatt tagccgatat 120
aatctaattt tttaagatgg aattattcta nttntnnnat ttntttnttn nnnttntttt 180
tttntnnntn tnttnnnnnt tttnntnttt ttnttttnnt nttttnnntt ttnttntttt 240
tttnnttttnt tttttttnn tnnnnnttnt tttnttntnt ttttt 286

<210> 486

<211> 300
<212> DNA
<213> Homo sapiens

<400> 486
gctgagagac cccttgctga tgcagctctg atggcaccag tgactgtcca tcatgcattc 60
cttttattct ctctccttta gtatcgattt taaagggcat taagcactat ggttccagag 120
tttcttgggg aaaacttgca gattcttatt aattggttct gcaatactta aataaattat 180
tttacaatta taagttttca gattataaca tttgcattaa tttttactga ttttccaaga 240
tacttcttac atttactatt tacgtacctt tatgtacatt ctctgtaaaa atagacctct 300

<210> 487
<211> 300
<212> DNA
<213> Homo sapiens

<400> 487
gtggagtgtt ggctttcatt ttttcttggg caagatggaa aattctcttc ctgttactcc 60
atcttggcca gaaatctaaa ttctcatata aaccgatttt gcttgttcag ttgttatttt 120
tatttgcaac taaaagcaat gtcatgcatg atgacttgaa gaaatgtctg aaacttttga 180
aaattcctta tttggcaaga aaatctactt atttatttaa atagctttcg aacataccct 240
tccctcactc ataattgcgg ggtaggagca caccacagtt tattagtaaa agttatttta 300

<210> 488
<211> 300
<212> DNA
<213> Homo sapiens

<400> 488
agacatttac agccatttat ccagccatca taattttatt gagtaactat tttgtgtgag 60
gcactgtact ggatgctttg gcaacagaga taagcaaggc aacccctgtg aataaggcac 120
tcctggtcta cacacagtgg gagaaacata gaaattcatc tcttctgagc ggagcctgtg 180
ggaacccaga ggatggacac ccagcgtgga ctgaggaatc atgggccata acaggaggca 240
tctggagaga tctcttgggt aaagaatagt gagggctgga aggatattcc aggcagtggg 300

<210> 489
<211> 264
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(264)
<223> n = A,T,C or G

<400> 489
caggaataat gctgacatac atacatatat atatatatat gaagagagag agagagtcac 60
acacagacag acagacacac ggagtctcgc tgtgtctccn tgnctggagt gnatnnnctt 120
ntaggncntn ngtntttcct tncngggttn ctntctnaga ganagagaga gtcacacaca 180
gacagacnga cacacggagt ctcnctgtgn ngcccaggnt ngngtcttga ngnnnntttt 240
tannnntntt gnntntntgn ttct 264

<210> 490
<211> 300
<212> DNA
<213> Homo sapiens

<400> 490

09348020.P05US

gaaaagtgag tctgtccaga gatacttata gacggtagtt gattagagac gagaaacgaa 60
ggaggtgaag ccggggtttc tggcatgggg aaccagatgg gtggtggtgc cattcactga 120
aatagggagc actcaatgag cagattttct gagagaggtc aggaagcagg atagtgatgt 180
gatggtgtgt gtggagacct gcaagtctgt cggtgcacta gccttcactt cagtggggag 240
aggcttctac cactttggga accatcagtt tgggattgat agttaaccca ttggagtaga 300

<210> 491
<211> 300
<212> DNA
<213> Homo sapiens

<400> 491
tagtgatggg gaactgacta cctgaaaaca gctcactcaa ttgtttaaca cttccagttg 60
ttggaaagtt ctaaagcata tcaacagcta accattatta agcacatatt gtgtgctggg 120
tattgtgtta agtgcttgta tgtgttttcc cttaaatact ctctgtaatc ccttgaggcc 180
aggttagtat ctccattttt tagagcagga aacagagatg tacagtttct tgttcaggct 240
cactcaggtg gtggtggaac aggaatggac cccatgcagt tggcctgcag cctgtgctcc 300

<210> 492
<211> 288
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(288)
<223> n = A,T,C or G

<400> 492
gatcaatata cagttgtcct cagctggttc caggcccccc cccacccctt accaaaatct 60
gctcatactg aagtcccgaa gttagccctg caaagaccct acagaacctg cacttaggaa 120
aaggcagccc tctgaatacc agggattcga gtccctgacc atggatatgt gggtccacgt 180
ggttcaaaca agttttttt tgggacggtg tctcactgtt gcccaggctc nnacnnncta 240
ggtcnccnct tncnncntcn ncncttcatc cnntccttcc gtcccgtc 288

<210> 493
<211> 300
<212> DNA
<213> Homo sapiens

<400> 493
gtgcctcctg cctctccaat cctgatcccc cattcccagc caaggagagg ttttcagccc 60
ttggtcaccc tgatgacctg cagctttcca ggccctaggc tgagaagttt aagtccagtg 120
tctcattaat cctcataata atctagggag gccgggcacg gtggctcaca ccttgtaatc 180
ccagcacttt gggaggctga ggcaggtgga tcacttgagt tagaagtttg agaccagcct 240
ggccaacatg gtgaagcccc gtctttacta aaaatacaaa aattagctgg gcgtggtggc 300

<210> 494
<211> 262
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(262)
<223> n = A,T,C or G

<400> 494

09614352.050504

gattgatgta ggttttaaaa aaggcatttg tatgttgtta gcttacatat ggggctaggt 60
aatttcattg cttaaaaaga tgcgcctagg ctccctcttg gtggctggat ttctttttct 120
tcgcccgtgg tggccatggt tcttaatagg gccaccggaa tcatggtttc tttctttttt 180
ttttttttnaa aaggnannnn ccccttggac ccnngnnnga angccagggc cccaaatntg 240
gnntaannga accntnnncn nc 262

<210> 495
<211> 300
<212> DNA
<213> Homo sapiens

<400> 495
ttaaagagcc atgacaacaa aatgcagccc ttgattctag tctggattct ggacttgaag 60
ggaaacattt ttcttatctt ttgctataag ggacattagt gggacacttg gcaaaattta 120
aattaactgt agattagata atactattgt attgttaatt ttctggcttt tattctactt 180
tgattatatt ataaaagtcc ttgttgttag gaaatagaca ctaattattt tgggttaaag 240
gaatatcatg tgaaattcac tttcaaacag ttccaaaaaa cacagtgata tatatgtata 300

<210> 496
<211> 264
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(264)
<223> n = A,T,C or G

<400> 496
ggacagtggt tcctgaaggc ctgtggccta ggagaaggag acactgaggt gtttcctacc 60
caacatgtgg tccgtgctct ccaaactatc tttgagctga acgtccaggc ctttgcagga 120
ggggccatgg gggctgtgaa tgggatgcan ccctatggng tccctgactn attnanngtn 180
nntnctnant aantcttgng ttttcttgtt tttnnttntt tttnttntcn ttttnnttan 240
ttnnntnttt ttnttttttn nnnt 264

<210> 497
<211> 300
<212> DNA
<213> Homo sapiens

<400> 497
atcataccca gcctgtgttg ttttttaaca atatataata aaagccaaca tttattcagc 60
actgaagtat tttatacaca ttagctcact taatttttac aacaaacctg tgtgggaagt 120
actgatataa ttaatcgata ttttcagata agaaaatagc agctgaaaaa gtacaaatac 180
tttcctcaaa gacagacagg gcttaaatca ggcctttctg atgtagacca tgctcttcac 240
taccacagag ttccatgcta ctttctctcc ctctccctcc tctcctgtcc ctgctacaca 300

<210> 498
<211> 300
<212> DNA
<213> Homo sapiens

<400> 498
gcaacgaaat aattttaaag tggatctggg ttggtagtgc ttatgggagt taggcaagga 60
aaaatgcaga ttctctttag aatatcttca cctaggtccc aaaggattct catagataga 120
tttccaacaa atatgaggtt ataataaaaa atacaaatca catatagaag tatggcacca 180
tgaatgagaa aggaaaaaac tgtcagaaca agaccctcaa gactttactg gaattaacaa 240
gcaatatgta aagtaaatag aaataagcta ttcataataa gaataatgta taagagacta 300

<210> 499
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 499
caggggtgag ccaccacacc aggccaagca ttttctttca aatacaagga atatttttct 60
gatttaaaaa aaaaaaacga actttttttc tgataatcaa agggaaagtt gcaaagatga 120
aaataaaagt catctgtaat ctcaggtaat accaggtaat taacattttg ctggatttct 180
taccantgaa aatgaangcn tatttttaag gtggntgcng ncntnnttnc nngttnntnn 240
ntnggnttng ttancnnnna gnatgtnntt cntnttannc ttgttntnnn tgtagtctct 300

<210> 500
<211> 300
<212> DNA
<213> Homo sapiens

<400> 500
tggctgtgga tgttaacaac atgttgcatc tgtacgccag tatgctgtac gaacgccgga 60
tactcatcat ttgcagcaaa ctcagcactc tgactgcctg catccacggg tctgcggcga 120
tgctctaccc catgtactgg cagcacgtgt acatccccgt gctgccgccg catctgctgg 180
actactgctg tgctcccatg ccctacctca taggaatcca tttaagttta atggagaaag 240
tcagaaacat ggccctggat gatgtcgtga tcctgaatgt ggacaccaac accctggaaa 300

<210> 501
<211> 300
<212> DNA
<213> Homo sapiens

<400> 501
aaaagaaaac gagaccaagt aataaagcag aaggaagaag aagcacagaa gaagaaatct 60
gacttggaaa tagagctatt aaaacggcag cagaagttgg agcagcttga acttgagaag 120
cagaaattgc aagaagagca agaaaatgcc cccgagtttg tgaaggtgaa aggcaatctc 180
aggagaacag gccaagaagt cgcccaagcc caggagtcct aggctgaggc tgcaccaaga 240
cctcgtgtgt caccccacag agctgtctgt gggtgccttc tcaatctcag ggcaaaagcc 300

<210> 502
<211> 300
<212> DNA
<213> Homo sapiens

<400> 502
gccagctcga gtagacgaag ttcctgatgg agctgtaaag ccacccacaa acaaactacc 60
cattttcttt tttggaactc atgagactgc ttttttagga ccaaaggata tatttcctta 120
ctcagaaaat aaggaaaagt atggcaaacc aaataaaaga aaaggtttta atgaaggttt 180
atgggagata gataacaatc caaaagtgaa attttcaagt caacaggcag caactaaaca 240
atcaaatgca tcatctgatg ttgaagttga agaaaaggaa actagtgttt caaaggaaga 300

<210> 503
<211> 293
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(293)
<223> n = A,T,C or G

<400> 503
tcaggctggg agggacttca gttagcatgg tgggggagaa ccagtaccac atacccagta 60
ggtaataagg tgtccagcag aggatgaagg tcagcaagat aagcagggcc agtctcaggg 120
cccggagacg aacacggtga caattgtcaa aggagcgggg gagggcaaat tcaccagcag 180
gggctaggaa tttagaatat atactgtact tcacacactc actttctgat ctgagtatag 240
ggtgaattga tggagggtca ttcctagtgn ganngganntn gcctcctaca atg 293

<210> 504
<211> 300
<212> DNA
<213> Homo sapiens

<400> 504
ggaaaaggag atcaatggct caaaggtcac ctgtcgggga ctactggagt attttaaggc 60
atatattaaa atttatcaag gagaagatct gcctcacccc aagtccatgc ttcaggccac 120
tgctgaagcc aacaacttag cagctgcagc ctctgccaag gacatttatt ataacaacat 180
ggaagaggtt tgtgggggag agaaacctta tttgtctcca gacattctag aggagaagca 240
ctgtgaattc aaacaacttg ctctggacca ttttaagaag accaagaaga tgggtgggaa 300

<210> 505
<211> 284
<212> DNA
<213> Homo sapiens

<400> 505
gaccgactga agctgctggt gctgtacagt ggagaggatg atgagctgct acagcgggca 60
gctgccgggg gcttggccat gcttacctcc atgcggccca cgctctgcag ccgcattccc 120
caagtgacca cacactggct ggagatcctg caggccctgc ttctgagctc caaccaggag 180
ctgcagcacc agggtgctgt ggtggtgctg aacatggtgg aggcctcgag ggagattgcc 240
agcaccctga tggagagtga gatgatggag atcttgcagt gcta 284

<210> 506
<211> 300
<212> DNA
<213> Homo sapiens

<400> 506
aaagtgaata tcgagttggt aacgccaaga ataccagaat tctggaaatc catgaagcag 60
cagcataagt ggtttgcctc tttctccagc agcaacatag tgaaatctta accctgaatc 120
cttgtattct tggcgttacc aactgagaga atttaaaagt gaatatcgag ttgtagcact 180
ggatttgaga ggttatggag aaacagatgc tcccattcat cgacagaatt ataaattgga 240
ttgtctaatt acagatataa aggatatttt agattcttta gggtatagca aatgtgttct 300

<210> 507
<211> 298
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(298)
<223> n = A,T,C or G

<400> 507
gctgctcaag gattgcaggg atgaggcaag tggaacagcc tcggaacctc cgaaaatggg 60
cacgctccag gtcccagttt ctatggcaac cataccggca aattgggctc cgcaatggtt 120
tctcctggaa aaaccgtgat tttggttacc gcngacgtct ntancnntng gnnngnctac 180
nnnnttntaa annntttata tgngaatatg tattgcatat ntntngncan cacttantnc 240
tttacattnt ctatgatgcn nngacctttg ttangttttt tgnctnntga ccctttc 298

<210> 508
<211> 299
<212> DNA
<213> Homo sapiens

<400> 508
gcggctcttt tccctcgtga ctcggttgct cctggcgccg cgacggggcc tcacggtccg 60
cagtcccgac gaacccctgc cggtggtgcg cattccagaa gagctcccga gacatacttc 120
tctgcacaga catagcctct cggggcctgg acagcactgg tgtggagctg gttgtcaatt 180
atgatttccc cccaacgctg caagattaca tccacagagc agggagagtg ggccgtgtgg 240
ggagcgaggt gccaggcacc gtcatcagtt ttgtgaccca tcctgggatg tgagcctgg 299

<210> 509
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 509
ggatcttctt caatcagcaa taacaggtgg ctctatagaa tggagggtag aagggatgtg 60
ggtgacttac tcagttttta gttaaagagg accctcttct gttagcatgg tgaagtgcag 120
tttctttaat aaattgtgca tggtgggggt gggattannt ttnctgtngt ttacttcagn 180
cttgcttnna cncctantna atccntnatt ntannntnnt ctctctttct ncctncctct 240
ctttnttcnn tgntntnncn ntnccctntn ncctgnccnt tnnnaanatt ctntcctctt 300

<210> 510
<211> 300
<212> DNA
<213> Homo sapiens

<400> 510
gtggagggat gcactatttc acaaggtcca agatttgttt tcagaagatg aaaatgaaaa 60
taaaatagag tttaggaaga aaggaggatt tgaaggggga ggattccttg gaagaaagaa 120
agttccctat ctggcatcat caccaagtac ttccagagtg ctgggattac aggcatgagc 180
caccacaccc gacacttaaa gggcatttct tatttatcct tgttttagtc acaccatagt 240
ggaatgagta atcagtttta gaagctgcaa atttaccatt ctctcaaaga tgctagtgta 300

<210> 511
<211> 300
<212> DNA
<213> Homo sapiens

<400> 511
aaacaccaag aatggcacct gtttggataa ataaggctat gtttttgaaa gtaacctttc 60
cacaagtcaa taacagaagc tatggtgaaa tgtaaaaatt cacaattcta ctttgtttca 120
ctgagtgccc aatcaacgat tcatacagtt gagatgaatg tgacaaaact ctttatagat 180
aaatatatat gcctaagttt atctatatat atatgtcttt gtgtgtatat acatacacag 240

atatatgcaa agacataaat aatcttcctt acaaaacatc aatagatcat tttcacaggg 300

<210> 512
<211> 300
<212> DNA
<213> Homo sapiens

<400> 512
ccagcctgcg tttcaaccaa gaccaaagct gcttttgctg cgccatggag acaggtgtgc 60
gcatctacaa cgtggagccc ttgatggaga aggggcatct ggtgctgatc tgggacgatg 120
cccgggaggg caaggactcc aaggagaagc tggtgctgga gttcaccttc accaagccag 180
tgctttctgt gcgcatgcgc catgacaaga tcgtgatcgt gctgaagaac cgcatctatg 240
tgtactcctt ccccgacaat ccccgaaagc tgtttgagtt tgatacccgg gacaacccca 300

<210> 513
<211> 300
<212> DNA
<213> Homo sapiens

<400> 513
gaagctttca tgtcctgcat tgtggaatcg ggtgtgtcac cctctcaaca cattgatatg 60
ttcaccaacc aggatgcttc accatgcttc ggtatctaaa gtttttattg gggtttcatt 120
atatatgtat aattgattga atcactggcc aagtgattga actaaatctc caccctaccc 180
cttactctgg gtgtcaggct gactcaaagc accagctatg taatcacatg gttgttctcg 240
ctggtaactg gcctccatct tgggtcatct catcttccag cccaaattca ggtgtgatcc 300

<210> 514
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 514
gagaacatct ttgagtaaga agatgcagtg tttgaacctg aggaaaagtt aaagcgtaga 60
aaatattgtc ttgccgaagg attttgcagt cctctgtcag taacttccat tgattacgca 120
gacatattca ggtaaaccct aatcattaag aaaaaaatta tcaatgtaga aagtaattcc 180
ctttttttctc tctgagatat acctcaatca cacacttccc caccccccact tgaaacagac 240
ctcttcactt gtgttttttt ttcctgaggt ggagtcttcc cctgtntgcc caggctggag 300

<210> 515
<211> 300
<212> DNA
<213> Homo sapiens

<400> 515
tagaaatgag atgactttat gtctaagatt tgcattaaaa tactataatc atttgaagaa 60
agaataaagt aaatatgcca aattttgtat tataattcaa tctgtatgac agttatgtga 120
gtttttttttt gttttgtttt atgcttgtgt gaagattttt gtagttaagc ttttttaaa 180
aaaaagtcaa ctgagttact tacgtgatga aattagaaca catacttctt acaagcacat 240
tctctcctat ccccctctcc atttcagttg gcaccataat gccatttttg cctaaccata 300

<210> 516
<211> 300
<212> DNA

<213> Homo sapiens

<400> 516
agcaaatgtg ggaactgcca aaccaaactg cacgacatcg acggcgtacc tcacctcatc 60
ctcatcgcct cccgagacat cgcggctggg gaggagctcc tgtatgacta tggggaccgc 120
agcaaggctt ccattgaagc ccacccgtgg ctgaagcatt aaccggtggg ccccgtgccc 180
tccccgcccc actttccctt cttcaaagga caaagtgccc tcaaagggaa ttgaattttt 240
tttttacaca cttaatctta gcggattact tcagatgttt ttaaaaagta tattaagatg 300

<210> 517
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 517
caaatgtggg aactgccaaa ccaaactgca cgacatcgac ggcgtacctc acctcatcct 60
catcgcctcc cgagacatcg cggctgggga ggagctcctg tatgactatg gggaccgcag 120
caaggcttcc attgaagccc acccgtggct gaagcattaa ccggtgggcc ccgtgccctc 180
cccgccccac tttcccttct tcaaaggaca aagtgccctc aaagggaatt gaatttttt 240
tttacacact taatcttagc ggattacttc anatgttttt aaaaagtata ttaagatgcc 300

<210> 518
<211> 300
<212> DNA
<213> Homo sapiens

<400> 518
ggcatgagcc accatgcctg gcccaaaact tcttaaaaag gatgatgatg gtggtggtga 60
taatattgtt atcatcatta tctaacacat agtgcttact ttctgccagt tgttgttctc 120
agagctttac atcattaatt catttaagct ttgctattga cctcctcacg gatcttaaag 180
actttgacct tacaacctca tgaaataaat cctactgatg cgattgtaca gatgaggaaa 240
ctgagctaaa agaggcacaa cagcttaaac ccaggttaca cagctaatac gtgatggaac 300

<210> 519
<211> 300
<212> DNA
<213> Homo sapiens

<400> 519
cttgaatccc ttgaccttac tgatgagaaa aaggtcctcg agtgggctca ggagaagcgt 60
aagctgagcg tgttgcatat tcacggagtc tacaccaacc ctagtggcat tgtccttcat 120
ccggctggat atcagaacgt gctcaggaac actgaagtca tgagagaaat tcagaaactc 180
tacgaaaaca agtcatttct tttcctgggc tgtggctgga ctgtggatga caccactttc 240
caggcccttt tcttggaggc tgtcaagcat aaatctgacc tagaacattt catgctggtt 300

<210> 520
<211> 300
<212> DNA
<213> Homo sapiens

<400> 520
gttcagtggt caatacaata gtccaccaag agactgggaa tgattagaag tgaaattggt 60
ccctccttac caaggagggg cagatgatct ccattgcaca gggcgattag attctggagc 120

tgaggtgggg actgcaggag gccacctagt ctggtaggtt tcaacccaag ctgtgtacat 180
tagaattccc ttgggagcgt gcaggaaata cagatgccca tgccacattc cagaccaact 240
gaagctgaat ctccagagta gggcctgtat ggtcatataa gctccacagg tgatctgcag 300

<210> 521
<211> 300
<212> DNA
<213> Homo sapiens

<400> 521
aattgatttg ctacatgctt aaaatgatag aggttgctca gcatttttgg agtacaaggg 60
ggtcagagag acatgtgatg aaaattacag ggcgagtaca gagatttaga agggaacggg 120
ttttaatgcg agtatctatg acagagtctt gctctgttgc ccatgctgga gtgtagcggt 180
gctcgctgca gcctcacatt caaaggctca agcaagcctt ccttggcctt tgaagtagct 240
gggaccacag gctcatgcca ccatccctgg gtcattttta aatttttgt agagagggtc 300

<210> 522
<211> 258
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(258)
<223> n = A,T,C or G

<400> 522
cagagcttag acatccaaaa ctaatcaatg ctgaggtggc taaataccta gccttttaca 60
tgtaaacctg tctgcaaaat tagctttttt aaaaaaaaaa aaaattgggg gggttatnca 120
tacattgaca acncntngat tnnngaaaat tnttnntttn ngcnangcga ttnccgtann 180
agaatggaac tgtagcnntn aagngctacn ngaaanaatt tnantanncn nanantnntn 240
tnnntntncn nnanantt 258

<210> 523
<211> 300
<212> DNA
<213> Homo sapiens

<400> 523
gttaactgca ctctgttcaa ggagggtttg aattggagac acagagcagt catcgttgat 60
ggcaaatttg aaatctagcc aggcacacat ttccagttcc ttcatcaggg cccagtccta 120
ctcgcagaat tgttctccac agtttgactt ggccctctgg gctttcagtt ttttcttctg 180
agtctttttc cttttccatt aaaaaattag cagagttttg cagtgattgg ctgtcttggc 240
ctgcattcta cttgttgtag gcccagttta tgttctttct acttcagttc aaggtgttgt 300

<210> 524
<211> 291
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(291)
<223> n = A,T,C or G

<400> 524
gccagatccc agattcaaca gcagaaacgc ttgttgaatg gcttcagagt caaatgacaa 60
atggacacct accagggaac ggagatgtgt atcaagaaag gctggcacgt ttagaaaatg 120

ataaagaatc ccttgttctt caggtaagtg tnttnacnta cnnnttttnt nctnnntgnn 180
atatnttctt tgatttcttt ttttnntttn tctnttgctt tatntgnttt tattnttttt 240
tnctngagtt ttnttntttn tctnanntct gnnttanntn tnntttctct t 291

<210> 525
<211> 300
<212> DNA
<213> Homo sapiens

<400> 525
taaagacaaa aagatcttca tgattgtcat tccactccag gtcctggcaa atgtagccta 60
catcatcata gagtccaccg aggagggcac gactgaatat ggcttgtgga aggactctct 120
atttctggtc gacctgttgt gttgtggtgc catcctcttc ccagtggtgt ggtcaatcag 180
acatttacaa gaagcatcag caacagatgg aaaagctgct attaacttag caaagctgaa 240
acttttcaga cattattacg tcttgattgt gtgttacata tacttcacta ggatcattgc 300

<210> 526
<211> 285
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(285)
<223> n = A,T,C or G

<400> 526
tcagaatgaa acagaacaag tccatttta ttttctttca ctgcattgca tatggtactc 60
aagttgtgtt gtgtatagct aataggatgc cattcacatt ttatacatct ttttttttt 120
ttngnaangg nnnnccnnnt tngccccng gncggnnggc cngggcccna tnnnggnnnn 180
nnggaatncc ccccnnccgg gttnangccn ttnnttngcc nnaacccccc nnngannngg 240
gaccannggn ccccnncnnt accccnggnn aantttttgg ttttt 285

<210> 527
<211> 300
<212> DNA
<213> Homo sapiens

<400> 527
gtccatgcta atttctagat tgatgtttta gccataaaaa tgcagtattt aataatattt 60
tattttccaa attatggaaa gcttcagaaa tagaaatatt caatataatt agtactctct 120
aatctttttt ctaggttgaa aaatctttgt tttgctttag gttagattat gttgaaacac 180
atctgtgttt cagatgtgtt cagagctgag gtctcagctg aggctccact gaagcaggat 240
tcacttccaa aataacagag ttgttgccaa tattcagttc gtagcaaact actggaacaa 300

<210> 528
<211> 300
<212> DNA
<213> Homo sapiens

<400> 528
aataaataaa tgggacctgg ttaaatagct tctctacagc aaaagaaata attgtcaaaa 60
taaacagaca acccacagaa cgggagaaga taagacttgt aaactgtgca tgtgacaaag 120
aactagtatt cagaagctac agggaactca aatcagcaag aaaaataaat aatcccacca 180
aaaagtgggc aaatgacatg aatagacatt tctcaaaaga agatatgcaa atggtcgaga 240
aacatatgaa aaaatgttca acatccctaa tcattagaga aatgcaaatt aaaaccacag 300

<210> 529

<211> 300
<212> DNA
<213> Homo sapiens

<400> 529
gggtgagata ccacgcatga aacccacgtg gactgcaact caaagtgtgg tccttggccc 60
agcagcattt gtcagaaagg cagaatctca cagggccagg actagggtgg cacaggtgag 120
gcatcccggg cacagcattt aaggaggccc tcactgtcag ggtcgtacag ggcacctcct 180
cggctcaccc taatcccagc tctgaggtcc acccagacct ttctgagtca gagtctgcct 240
tttaacaaga ctctcagcga tatgtatgcc cagaggagtg taagaagatc tggccttaga 300

<210> 530
<211> 291
<212> DNA
<213> Homo sapiens

<400> 530
gaggaacaag aagcaccact acagggagct cccagttgag gtgcgacagg cactcggcca 60
agtccctgat ggcttcgtcc agtacttcac aaaccgcttc ccacggctgc tcctccacac 120
gcaccgagcc atgaggagct gcgcctctga gagcctcttc ctgccctact acccgccaga 180
ctcagaggcc aggaggccat gccctggggc cacagggagg tgaggtgggc tggatgccac 240
acagatggtc tccgtgctgg ctcactgaat agctgagcct gtggctggcc t 291

<210> 531
<211> 278
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(278)
<223> n = A,T,C or G

<400> 531
cttaaagatg cataacaaag tcaggggatt cattctatat gatatccaat gagtatggca 60
ttggcataag gctagacaaa cagggcagga cagagggagt gaatgaacag acacacatat 120
atttggacac ttgaatgtgg ataaaagagg caatgtagga aggaagggaa aagatagtct 180
tttcaataga aggaactgga tcanagagat attcaatgga ananaagaac gaaattttac 240
ctnttnntna nnacntangn aagtnaatta ttacttac 278

<210> 532
<211> 258
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(258)
<223> n = A,T,C or G

<400> 532
caaacttaaa ataaaatccc cactatgcac attttatttc tccaacatac tcggattcta 60
ccctagcatc acacacacac acacacacac agtattttga cctagggatt gactatgtaa 120
cttaatttgg agacaattga catataaaaa tattgagatt tccaactcat gaacataata 180
tatctctcta cttatgtcgt gtttgatttc ttttagcaat gtttgcagtg tacaggtttt 240
acnccttttg gnaggnnt 258

<210> 533

<211> 288
<212> DNA
<213> Homo sapiens

<400> 533
tggaaaagaa aataaaattg gcagctcact cttctgtcat ttgatcttct gtcatttgct 60
tttctgagtt ttggccctcc tgtacaatct atctggtcgg gtttactttt ctccatcttc 120
aagcagggtg tgtcttcaag catgcatgtc tgtgttttga ttcggaattg atagttataa 180
tagaagcatg agctgctggg aaattatacc tcctgatttg tgtggtttta tttgttcatc 240
ttgcaggttt gagtagtttt tggtggatgt gttgggagat atgaacgc 288

<210> 534
<211> 223
<212> DNA
<213> Homo sapiens

<400> 534
aagacacata gtggatctgt atggcgtgtg acatgggccc atcctgaatt tgggcaggtt 60
ttggcttcct gttcttttga ccgaacagct gctgtatggg aagaaatagt aggagaatca 120
aatgataaac tgcgaggaca gagccactgg gttaaaagga caactctggt ggatagcaga 180
acatctgtta ctgatgtgaa gtttgctccc aagcacatgg gtc 223

<210> 535
<211> 265
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(265)
<223> n = A,T,C or G

<400> 535
gccacatctg ccagagcctg gagtctgcga aggccgggac ccggttcccc ggcccacagt 60
gggggtgtgc aaacccgnna gaactggtta agatntnttt nnttcgctgt tntgnttttt 120
nnnccgagct tatctnannt ntatanttgg cnatntttnn nnctcttgtn tnanatttan 180
ntatcttttt cntcttcnnn tnttttntnc tcnantnttt atnttttttn tcttnatnnt 240
ttctaantgc ctntntcant ttntt 265

<210> 536
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 536
ctttttttgta tttttacgct ctgctgtcca tgacatattt ctaacacctt tatgattatt 60
gttcctgctt gtaaaagggc tgatatttac atgagtgcaa ggcaggaaga aaaggtagct 120
gtgccagcca cttctggcaa gcagttctcc caccttagcc tcccaagtag ctgagaccat 180
aggcatgaga tttctcaaaa ttcctcccag caggctttca cttagtttca ttgttgagaa 240
ctgtgacagg tccatctcta gctgcaaagg aggctgagaa agngaacaca gcagcctcct 300

<210> 537
<211> 259

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(259)
<223> n = A,T,C or G

<400> 537
catttatata tatactatat atttcatata tgtatttcag gaatttatag accacacatt 60
catatataga tacagatata tatatgngng tgtgngnata tacncatann tantnaagcg 120
tatatncngt agtatacatn atncacncat ananacgtat atatgnaaac gnatatanac 180
ncgtnanata attatatgtt atatntacng tatntacgta tacnncatat gcacntgnta 240
tncgtntntn tgnntntnt 259

<210> 538
<211> 300
<212> DNA
<213> Homo sapiens

<400> 538
gcctgctgag cgtgatgact tcatcctggg gattctcaac tgcgtcttca ttgtgtacta 60
cctgttggag atgctgctca aggtctttgc cctgggcctg cgagggtacc tgtcctaccc 120
cagcaacgtg tttgacgggc tcctcaccgt tgtcctgctg gttttggaga tctcaactct 180
ggctgtgtac cgattgccac acccaggctg gaggccggag atggtgggcc tgctgtcgct 240
gtgggacatg acccgcatgc tgaacatgct catcgtgttc cgcttcctgc gtatcatccc 300

<210> 539
<211> 300
<212> DNA
<213> Homo sapiens

<400> 539
gtggcaagtt ggttatatgg aaagtctctg ttcactcact tgggtgaata acagtaaata 60
cctttctatt gttttcactt tacattaggc catgagtatt tgtgcctgtg gctgcagttt 120
gtgttagttt cctaccccag gtatctcctg cagcatgcag cttcagtcct accagaccct 180
caaaacttaa aagctaacac tattactagg gaggattttg caggaaaatg gagaaagggt 240
tacacacaaa aaaggttaaa ctactctatg catgtttctg caatgtgtta tctcaagaat 300

<210> 540
<211> 300
<212> DNA
<213> Homo sapiens

<400> 540
ggttcacact ccatttccca gtttctgttg acccccacct tccagtgttg gacaggatgg 60
agggggggaca cttgcttagg ggctctcctg ggccccacac cagtgcccac cccaaatctg 120
gtcgtctcct ccccccatgc acagcacaag ctaagggctg ccctctgccc acacgctgcg 180
ttcactgcca atgctgtact cacctccatc accctccaac tttggggccc atgtcttcct 240
tgggccaagg tctcatgggg gctagggcca agttgggggc ccaggaggcg gggagggaag 300

<210> 541
<211> 300
<212> DNA
<213> Homo sapiens

<400> 541
gtccattctt ataaagggaa cttctagcaa acctgcccag ccctttccct ggagggaaac 60

attatctgta ttatcctaaa gagcaaacaa atctgctctt ggttccaaat agagacactt 120
tatctttcaa gacaatgcct atgcaaatat cttagaaaag atagtctagg agaaacaagc 180
tgccacaaga actgcaaaaa tgcaaacagc ctataaagaa ttgtctccca acatattgat 240
cttttatatt attctcttta tgcgttgtca taaaaagttg agagactgca atcctgcacc 300

<210> 542
<211> 297
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(297)
<223> n = A,T,C or G

<400> 542
gtgagcctag ggacccattt ctcctccttt gacagggaca tcagtggagc cttctcagac 60
ccacaggggt ccttggggaa ttttgacatg gttatttaag gaaccttgcc tagaagtccc 120
aacttgcagt tccccatcga cgggaaggct tggactccaa gatgattata aaggaatatc 180
ggattcctct gccaatgacc gtggaggagt accgcatcgc catctgtaca tgatacagaa 240
gaagagccgt aacgagacat atggcgaagg cagnggngtg gagatcctgn ataaccg 297

<210> 543
<211> 271
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(271)
<223> n = A,T,C or G

<400> 543
aggacgaccg ctacttgcac ttcctggaag gcacccggga ctatgagtgg ctggaagcac 60
tgcttatgaa tcagacggtg atgtcaaaaa acctttttctg gctcaggcgc agaccccaag 120
aagctgctcg ggaagccctg tgcatggaca ggtacatgtt gctgcaccca gactttctcc 180
gatacntnaa nancagnntt ttgaggcnta ttancctgga nggtanncat catcnngana 240
tannttccna tttctgangt cctnactgcg g 271

<210> 544
<211> 300
<212> DNA
<213> Homo sapiens

<400> 544
atggaattta cttttcttct agactttctt ttgcaatgga acgttgcttt gtgtgtgatt 60
tggtggaata acaaccaata cacaatgagc agtctaatgt gtagtcattt ggtgctctgt 120
gttcaagtgt gaaatctcta tcagtgccca atagtaagcc agggtctgct tttcatatag 180
aaaatggttg ctgacagaag aagatgtggc cgtactccag ggtggttctc tatggaggct 240
tgtgagagtc tctatacagc atccatgact gccaccggca cttccaatac cattagttat 300

<210> 545
<211> 300
<212> DNA
<213> Homo sapiens

<400> 545
ctccatcaag gcatttctct tcattggata ttgcagtctg cacaattgag agagccaatg 60

gtctgatcaa tcgcctcata gaggaaaata agatggatct gttaggaatg gtggttgtgg 120
atgaattaca tatgctggga gactctcacc gagggtatct gctggaactt ttgctgacca 180
agatttgcta tattactcgg aaatcagcat cttgtcaggc agatctagcc agttctctgt 240
ctaatgctgt gcaaatcgtt gggatgagtg ctacccttcc taatttggag cttgtggctt 300

<210> 546
<211> 300
<212> DNA
<213> Homo sapiens

<400> 546
cagaaatcag catgcatgaa ttaatcgaaa tacaatgcat attaaacaat gcaattacta 60
tagtctaaat caccaaactg ataacccata caaaagtagc tcttacaact ttttttgaga 120
atatttcccc taaaaaattc cagtgatcat cccaacctac aaaactagat tattttacta 180
gtatcatctt ctctttaccc ctcttctccc caccaacact ccctccaaca cacacacact 240
tctccttaag agaaacggct tcctcaagaa attatctgat ggttcagtag cagttggagt 300

<210> 547
<211> 300
<212> DNA
<213> Homo sapiens

<400> 547
aagaaggtgg gggcctgcca cggccccagg accccactgc tgggcaccga ccagtgtgcc 60
ctgggcccaa gcttctggtg caggagccag gaggccgcca agctgtgcaa cgctgtgcaa 120
cactgccaga agcatgtatg gaaagagatg cacctccacg ctggggaaca cgcgtgaccg 180
tggctgccag agacccagag cctgctagcg aggcccatga ggtgggtgct ttccccatcc 240
ccatttcaca aatgaaaaac tgaagctctg aggagggagg ctgggaagga gcagagctga 300

<210> 548
<211> 293
<212> DNA
<213> Homo sapiens

<400> 548
cctatgattc attcattcaa taagctttta ctgcataaac tttacatcca gcactgtagt 60
taagtaccca aaattgaata gaaataatgg cttttgaaaa ttgcccaaag caggctggga 120
ttacaggcgt gaaccactgc acccggccca gtactgcatc ttaacagcca agccatttta 180
ttctacttta taactgatag acttgatacc atccatctct ttaggttaca gaggataatt 240
tgaagagaaa tgttactgta gaatatatag ttctgtactt tttttttta aga 293

<210> 549
<211> 266
<212> DNA
<213> Homo sapiens

<400> 549
cgcgacgcac attgatggag cgtatgtcca ggcgccggtg caccgcaagg agcaaaacag 60
acacagttct tggtcctagg gctcacgtcc cggggcgaag aggatcctcc ataaacgatc 120
agccatagca gctgtgattg gacaagagac tgatttcagt gactttctcc tgataagaga 180
ccaccgacca gctgaccatg ccgaccagct gacccgttaa tagagagaga tgatgcacct 240
gcatgccttt gtgtcctgaa aatgac 266

<210> 550
<211> 300
<212> DNA
<213> Homo sapiens

<400> 550
gcttggggag agtgatggta gaaggacctc ccaggagggc cctggagaca gtgtgaaatt 60
cgagggaggt gaagatgctt ctgtggctgt ggagtggtcc ggggatggca gtgggaccct 120
gcagaggagt ggctctcttg gcaagatccg ggatgtgctc cgcagaagca gtgaactctt 180
ggtgaggaag ctccagggga ctgagcctcg gccctccagc agcaacatga agcgagcagc 240
ctccttgaac tatctgaacc aacctagtgc agcacccctc caggtctccc ggggcctcag 300

<210> 551
<211> 271
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(271)
<223> n = A,T,C or G

<400> 551
ggaaagtgga gaggtctctg ctgcgaagag aggcactttc agggactttc cttcagctgt 60
ctcttcctct gggaatgagc tactcaaggc tgacccctcc tcctgttgct tgaaataatg 120
atgatatata ggttggattn ngnagtntgt nacctccngc tcaatctcct nctncntctc 180
tacctnnnnt cttctccntn ctncctnnct tcgntnnnnc ttnncnctcc cncntnttac 240
tctnacannt ccntntncnc accctcactc t 271

<210> 552
<211> 300
<212> DNA
<213> Homo sapiens

<400> 552
ccggaggctg gtgctgagcc agtggctggg catcctagcc accatcgcgg ggctggtggt 60
cgtgggcctg gctgacctcc tgagcaagca cgacagtcag cacaagctca gcgaagtgat 120
cacaggggac ctgttgatca tcatggccca gatcatcgtt gccatccaga tggtgctaga 180
ggagaagttc gtctacaaac acaatgtgca cccactgcgg gcagttggca ctgagggcct 240
ctttggcttt gtgatcctct ccctgctgct ggtgcccatg tactacatcc ccgccggctc 300

<210> 553
<211> 224
<212> DNA
<213> Homo sapiens

<400> 553
cggatatcct ctccctcatc aaacttttct ccaccaactt tagcatctgg ttgccaccct 60
ccaaaatggc cccagtgatc ccatctccta ataagtacat gtctgtgtgg tcctctccca 120
cactgcatag gaatggctta cgtaaccaat aggtagttga ggatgtgatg cagtctgact 180
tttgaggcta agttgtaaag aaagacactg tgtcttcctc cttg 224

<210> 554
<211> 268
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(268)
<223> n = A,T,C or G

<400> 554

cttgagtcta ggagttcaag accagccttg gcaacgtggc taaaccccat tgctacaaaa 60
atatatatat acaaaaaatt agctgggagc ggttggcaca tgcctgtagt cccaactact 120
caggaagccg aggtgagaga atcnnnnggn nncnnnnntn tactntnang ttaaanaann 180
ggntttannt nnnaaattan ctggaagcgg ntgncanatg cctggngncc caantactct 240
ggaggccnnn gnggnaaaat tnctggaa 268

<210> 555
<211> 300
<212> DNA
<213> Homo sapiens

<400> 555
caaatccaat agcaagctct gttttctaat atagtaaatg tctttatagt aatagtgagt 60
aatcattaat tctaaagata gaattattat tacaataaac aaactttagt cacatattgg 120
cagtttttct atttcaaaca cagcaccaga gatcagagtc tacttgaaac ttacatttgt 180
gttatttaac aatttttctg tatctttttc attggtgttt tgttttgttt atcttttgtt 240
tttgtttctt tggtttggtt tgtttttgtt ttgtttttttg agatacgatc tctgtcacac 300

<210> 556
<211> 300
<212> DNA
<213> Homo sapiens

<400> 556
gctcagtgct ggcatgttga cctggtgttg tcagtgagtc tgtggatcca gggtcagtgc 60
tggtatgttt agctgacatt ggcagtgagt ccatggatcc aggctcagtg ctggtatgtt 120
gacctggtgt tgtcagtgag tctgtggatc caggctcagt gctggtatgt tgacctagca 180
ttggcactga gtctgtggat tcaggctcag tgctggtatg ttgacctgac attagcagtg 240
agtctgtgga tccaggctca gttccacaga ggttgtataa acatggtctc aggtgggttc 300

<210> 557
<211> 266
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(266)
<223> n = A,T,C or G

<400> 557
cgtgttggcc acgttggtct tgaactcttg acctcaggcc tcccaaggtg ctgggattac 60
aggcgtgagc caccgagtct ggccttggca gttatttttc attacttttt gtttttttg 120
gacnaggtct ggntntgtan nccaggctgg natgnagntn ntgnnatnac agatnnntgn 180
nnggntcaac nnggnaagan nngatgnggn ttcncggggn nntngnnann aantngtnan 240
tnnnnnnaan gantacatga agntag 266

<210> 558
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 558

aaaaatacaa aaattagcca ggcatggtgg cacgtgcctg taatcccagc tactcgggag 60
gctgaggcag gagaatcgct tgaacctggg aggtggaggt tgcagtgggc tgagatcacg 120
ccattgcact ccagcctggg cgacagagtg agactctgtc tcaaaaaaaa aaaattatga 180
aaaaagttat gggattaaag aaagtcagga taaaaatttt aaaaagcagg ccantgtcag 240
caaagcctgg aaaattgggg ccggaggctc ngcccccatc atgngcctgc caccccttcc 300

<210> 559
<211> 265
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(265)
<223> n = A,T,C or G

<400> 559
gaggcatcca aaggctcctg agacacatgg gtgctattgg ggttggnggg gangtgtgtg 60
aggctgnaan tgtnctctnt tattaggcta tntctanctt nccattnact ganttcactc 120
aanactgcnn natnnctatn aannantaan ntaaaccntc ttaggtcant antantnctn 180
nantganttt catcantatn cctnnacnng ttncttngtt anncagatan cnttaacntt 240
attnnacnga gaaantctct tctaa 265

<210> 560
<211> 300
<212> DNA
<213> Homo sapiens

<400> 560
agaagaaagc attagcaacc ttgatgccat gacaatagaa actatccaaa ataaggcaca 60
gagaagaaag tggaaaaaaa ggcaaaaagg aaaacagagc aacagataat gtgagacaag 120
gtcagatagt ctttatgtat gtgtaattgg agtccccagg agatgtgaga ggaaaaagag 180
ttgaaacaat catagacaaa atatttccac gtttgatgaa aactatatta gttgtgtatt 240
gctacctaac aagttattcc aaaaatttag tggcttaaac aaaacatcca ttatctccca 300

<210> 561
<211> 300
<212> DNA
<213> Homo sapiens

<400> 561
gccacctact gcgtcttggt catggagaag aagagctgga gacagagaaa gatttcagca 60
gaatcctcag gatggattta gccgactaaa acgatggatt atgattggcg atcatcacca 120
gttacctcca gttattaaga acatggcctt tcaaaagtac tcaaacatgg agcagtctct 180
cttcactcgc tttgttcgcg ttggagttcc gactgttgac cttgatgctc aagggagagc 240
cagagcaagc ttgtgcaacc tctacaactg gcgatacaag aatctaggaa acttacccca 300

<210> 562
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 562

attaaaaaga aagctttatg tagttatgca tgtcagtttg ctatttaaaa tgtgtgacag 60
tgtttgncat attaagagtg aatttggcag gaattcccaa gatggacatt gtgcttttaa 120
actagaactt gtaagacatt atgtgaatat cccttgccaa tttttttttat aataagaaaa 180
catctgacta aagtcaaaga atgatttctt atggtttatt ttgatgaaag ttcttttaac 240
atgtcttgaa tgtacacata aaggaatcca aagctttcca ttctaactta atctttgtga 300

<210> 563
<211> 300
<212> DNA
<213> Homo sapiens

<400> 563
gtgacattgt gattgcaaaa agcccaagtg atccaaaatc aaatatttgt aaaagagtaa 60
ttggtttgga aggagacaaa atcctcacca ctagtccatc agatttcttt aaaagccata 120
gttatactat agtgataaaa acctgtgcta cacatccatt tctcagcaac ggctcctagg 180
ataatcaatc atggcatact gctaatgcct tgattgcagc tgatatggag gaaatatgtt 240
tactcttttg ctaaagtgaa gttcactgcg gaggtgccaa tgggtcatgt ttggttagaa 300

<210> 564
<211> 300
<212> DNA
<213> Homo sapiens

<400> 564
gcccagatga ccttttcagg ggtaacaccc cagctgcttg agagaacagt gttgctgctg 60
gcagagatgc attccagaga tgcactccgc tctggaactc actctcagcc acagggagct 120
gcatgcacca caggggcaat gcacctttgc aggggtacct tctggcccca acccttgact 180
caacggggac aactccagaa ggtcattcca gatccagaga tccccatcga actgaaggat 240
cactgggttg cagacacatt gcaggtcagc ttcttcctct gcccagtcct gcctcactcc 300

<210> 565
<211> 289
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(289)
<223> n = A,T,C or G

<400> 565
atcatgactc actgtagcct tgacttcttg ggctcaggcg atcctcccac ctcagcctcc 60
tgcatagctg ggactacagg catgtgccac cacacctggc taatttttgt attttttttt 120
ttnggnaaaa acncggtttt gccgngtngc cnaggntggn ctnnanctcn ngggctaaan 180
caatcnattc acngnagcct ntnaaagggc tggnatnacn ggcntgaccc cntgcantng 240
gccgacnttc aattttnatg aataaaacnt acntngnaaa ntaaggggg 289

<210> 566
<211> 300
<212> DNA
<213> Homo sapiens

<400> 566
gttttataag tggagtcttc agggaatgat tatttgggaa ttaggctttg aaagagcctc 60
agctgtgttc cacccccctcc aagaattcag gctgttattt ttcaaggctg ccacagaggt 120
ggggagtgga aaatgagact agtaagttaa aatactacaa agcttgctgt tcttacagaa 180
attcagccat ttttcttgaa taaacacttc catggattgc tgcaagcctt gattaattgc 240
cagaatctga aatggttgct tttgacagtt tttttcccat aggtttttgt tgcttttatg 300

<210> 567
<211> 299
<212> DNA
<213> Homo sapiens

<400> 567
ttttttttttt ccaattctgt tcctttcagc ttaggaacct tagtacatgc agtttcttct 60
acctgaaggc ttcctcatcc ctttacctga caccacactc tgactcaggg ccttcaaact 120
aactaaagcc taatcttctg ggcaaagttt gctttttaat tttttttca acaattgctc 180
aaagagtagt tgttttcata attaatccaa aattgtccta agaaaggcca tcatcacagg 240
gggcaaagtt taacatcatt tcctgaaaag ggttatcata ccccccaaat aaattaggt 299

<210> 568
<211> 300
<212> DNA
<213> Homo sapiens

<400> 568
ctaatgtgct ataaattctt ctgagcttgc tgtggctaat ttattaattt aaaaagtatt 60
ttttgtcttt cttaggcctc cttgaatcta gtcactctag agatagaata cacaatcttg 120
tcctgatgtt tttacttgca actcacaatc ttgtttggtg gtttagttgc aggtttcaga 180
gattagaccg tatatatcta aatgctggga tcatgcctaa tccacaacta aatatcaaag 240
cacttctctt tggcctcttt tcaagctgaa ggcctgctga cccagggtga taagatcact 300

<210> 569
<211> 293
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(293)
<223> n = A,T,C or G

<400> 569
gccctggatg gaggacaaga gtttggtagt caatggcaac agtaccattc aaaaatagat 60
gatctgatcg acaacagtgt aaaagaaatc atttcactgt tagtttcaaa gtttgtttca 120
gtgttggaag gcntgtngtc tannctgtna aggttttatt nnntnacttt nttatctnnc 180
ntnttttann tcnactntta aattaatnnt ttttnttgtt atttncatat ttttttctnt 240
tatttttttt cntnttttttt tttttnttnt nttgnntttt tnatantttt aat 293

<210> 570
<211> 300
<212> DNA
<213> Homo sapiens

<400> 570
gttctccctt atctgatgct cactgtggcc ttgggcagcc tggcatcgag aattctcagc 60
atgttcactc ttgagttctg tgcctgcatc acacagcaat ggaacagtcc caaaagattc 120
ttaagggtgg ggaaaggcac taagaaaaga tgaacctgca gtccctgtta taccatctgg 180
tctaattgat actactgttg tcaagcaaaa ggagctctct ccctgaggca ctggaagcca 240
atattttgac accaggtttt tgagaaagaa aagtttttta ttgtaagttg actcacaaga 300

<210> 571
<211> 276
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(276)
<223> n = A,T,C or G

<400> 571
gggtggcaag ccacccaggt gccgaggcaa gagaccgaga gcacgagctg ttccagtgta 60
ataaaatata taaaataaca agagttatac tgatatagct catagatatg attatatata 120
aataccatta atcattagtt tgtagtaatt actctttatt caaatattat aatnntnctc 180
actctncaat catnacctan atanngctng natttgnaan natnntanct gtgnntacat 240
ggtgttaact gtttanttcc nannattcnt tttttt 276

<210> 572
<211> 300
<212> DNA
<213> Homo sapiens

<400> 572
gaaagattga agaagttcat cttcctgtag aaaaagtaga tgttatcata tctgagtgga 60
tgggctattt tcttctgttt gagtctatgt tagattctgt cctttatgca aagaacaaat 120
acttggcaaa aggaggctcg gtctaccctg acatttgcac tatcagcctt gtagcagtga 180
gtgatgtgaa taaacatgct gatagaattg ctttttggga tgatgtctat ggcttcaaga 240
tgtcctgcat gaagaaagca gttattccag aagctgttgt ggaagtttta gatccgaaga 300

<210> 573
<211> 257
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(257)
<223> n = A,T,C or G

<400> 573
acaacagaac ccgaagtgcc caggatgata tttttacaca agctgtaaat atggcaggat 60
tgccagcagt gagtatccct gttgcactct caaaccaagg gttgccaata ggactacagt 120
ttattggacg tgcgttttgt gaccagcagc ttcttacagt agccaaatgg tttgaataac 180
aagtacagtt tcctgttatt cannttcttn nactcntgga tgattgttna nnttnccttg 240
ttnntngnaa gttncct 257

<210> 574
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 574
attacagcca ccttttgggt ttcatttaat tttggtagtg ttaatgtcta ttaatgtgat 60
tttttttta acctttctcc caataggttg atgacaacaa gaaactagga gaatggttag 120
gcctttgnaa aattnacaga tagggtnnnc cccntannct ggtcncntgn nttnntcntt 180
cctatcnntt tnanatgngg nancncnntn ctntacgttn cccnttnttn ntnantnntn 240
cntattactn tccncnttnc ncnnntncnc nttctttgna nnnccccntc tccctctcgt 300

<210> 575
<211> 300
<212> DNA
<213> Homo sapiens

<400> 575
atcaacgcag gcatgtacat cctgagccct gcagtgctgc ggcgcatcca gctgcagcct 60
acgtccattg agaaggaggt cttccccatt atggccaagg aggggcagct atatgccatg 120
gagttacagg gcttctggat ggacattggg cagcccaagg acttcctcac tggcatgtgc 180
ctcttcctgc agtcactgag gcagaagcag cctgagcggc tgtgctcagg ccctggcatt 240
gtgggcaacg tgctggtgga cccaagtgcc cgcatcggcc agaactgcag cattggcccc 300

<210> 576
<211> 300
<212> DNA
<213> Homo sapiens

<400> 576
atgaccagag aggaaggaga agatgcagtc cagtttgcta acagggttaa gtctgctatt 60
gctatacaag gaggcctgac tgaacttccc tgggatggag gactaaagag agcaaaggtg 120
aaggacatct ttaaggaaga gcagcagaaa aattacagca agatgattgt gggcaatgga 180
tctctcagct aagaggacgg atgacagcct ttagatctag aactagccct tagaaatgga 240
atggcttttt tgttttgttt tgttttattg ttttgttttt attattgtta atcttttcta 300

<210> 577
<211> 296
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(296)
<223> n = A,T,C or G

<400> 577
aagattgggg taatactgaa tgtatagttt ttaggggtg aaatttagct gtataaatca 60
taggctgttg acatttgtga ttacttcatt gctaagtttt acatatagga gtcttcatac 120
tttgtttcag ggacagaatg atgctgctga aattggaaca agaaatttta gatttcattg 180
gtagtaatga gtnagtcctg acnttnnnna gatnntanat tgggntccca ttctccttgn 240
cttctancnt ggantntnnt tttntttngn ttnnncctnt nnntttnttt ttgctc 296

<210> 578
<211> 300
<212> DNA
<213> Homo sapiens

<400> 578
ggcttctgca accaggaccg gaggacactc ccgggggggc agcctccccc ccgggtgttt 60
ctggccgtgt ttgtggaaca gcctactccg tttctgcccc gcttcctgca gcggctgcta 120
ctcctggact atcccccccga cagggtcacc cttttcctgc acaacaacga ggtcttccat 180
gaaccccaca tcgctgactc ctggccgcag ctccaggacc acttctcagc tgtgaagctc 240
gtggggccgg aggaggctct gagcccaggc gaggccaggg acatggccat ggacctgtgt 300

<210> 579
<211> 300
<212> DNA
<213> Homo sapiens

<400> 579
tcctattgta aaatcacttg ctaaggctca tgagaggcta gaagattcca aactagaagc 60
tgtcagtgac aataacttgg aattagtcaa tgaaattctt gaagacatca ctcctctaat 120
aaatgtggat gaaaatgtgg cagaattggt tggtatactc aaagaacctc acttccagtc 180
actgttggag gcccatgata ttgtggcatc aaagtgttat gattcacctc catcaagccc 240
agaaatgaat aattcttcta tcaataatca gttattacca gtagatgcca ttcgtattct 300

<210> 580
<211> 300
<212> DNA
<213> Homo sapiens

<400> 580
ccctatctta tgagaaaagt aactttgaaa ggactaatac atcctgttct tagcttctgc 60
ttccttcagg ccttctctat gaagccagcc tattctgctc agcgctttgg aacactgatt 120
ctatttcatg gaccgaagca ttgcccaatt gtagaattgc aataaagcca actgagatct 180
ttaaattggc tataattcat cctttggcaa tacagtaaaa aaaaaaaatt ctcacaattc 240
tgtaaaaggg tatgagatat acaataaaag acacccccac cctctgcaat ctaccactca 300

<210> 581
<211> 300
<212> DNA
<213> Homo sapiens

<400> 581
caaggtcatc gccaaggtgt gattggaaaa attcaaaaaa ttgcaacctc aggcataaat 60
gggttaagga catcccaagc ccaagtggta cgtgcctcac tcagaactga cgggccgagt 120
tctatctagg tgtgtcttcc agaacctgtt tacggctaac tggataactg agagacttgt 180
catttctaaa gacatttaag ttgctccagg gatttctgaa aaaagacaca ggcttcttcc 240
tagagccagc cctatataac atgcccacaa gggcaacagt tatcacagtt catacacacc 300

<210> 582
<211> 300
<212> DNA
<213> Homo sapiens

<400> 582
ccaagacctc cacggccttg tgtcaagaaa tctccacaaa gtgacagtga atgatggagg 60
gggagttctc agagtcatta cagctgggga gggtgcattg cctcatgaat tcttggaagg 120
tgtggaggga gttgcaggtg gttttatata tactattcag gaaggtgatg ctctcttaca 180
caaccttcat tctcgccctc aaagacttat tgatcatata aggaatctcc atgaggaaga 240
tgccttactg aaggaggaaa gcagcatcta tgatgatatt gtttttgtgg atgttgtcga 300

<210> 583
<211> 291
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(291)
<223> n = A,T,C or G

<400> 583
ctgcctcagc ctcctgagta cgctgggatt acaggcgtgc accaccatgc ctggctaatt 60
tttgtatttt tagtagagat ggggtttcac aatgttgccc aggttggtct cgaaccgctg 120
accttaagcg atccgcctgc cttggcctcc ccaaggtgct ggaattacag gcatgagcca 180
ccgtgcccgg ctgacttttt tttatcttat ttctttgtga cacggggatg tgctcaanct 240

tccaggctgg antgcaatgg cnncncatgg ntcgntgacn tcaatctgct g 291

<210> 584
<211> 284
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(284)
<223> n = A,T,C or G

<400> 584
agagtgagaa cccctctgct acaaaaaata gaaaaaccag ctggggcgtg gtcgcgctca 60
tgtatagacc agctgctgga gagactgagc tgggaggatg gcttgagccc aggaggccaa 120
tnntgtnggg agctgnggtc gtacnactgt actctaatct ggncnactcg ancacgannt 180
cntntcncat nactnntntc ngtgtntttn gngnttttcc ntnnnttggt ntnctnttnc 240
attgttcttn ctntcnctna ttgtganang ntctnttcct cctt 284

<210> 585
<211> 300
<212> DNA
<213> Homo sapiens

<400> 585
gcagtcaggc agtgactgcc ttcggctttt tttctgctga ctaagatctc ctatagagag 60
ctacaacaat gcccaaaaga aaggctgcag gtcaaggtga tatgaggcag gagccaaaga 120
gaagatctgc caggttgtct gctatgcttg tgccagttac accagaagtg aagcctaaaa 180
gaacatcaag ttcaaggaaa atgaagacaa aaagtgatat gatggaagaa aacatagata 240
caagtgccca agcagttgct gaaaccaagc aagaagcagt tgttgaagaa gactacaatg 300

<210> 586
<211> 298
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(298)
<223> n = A,T,C or G

<400> 586
ataagaaatt gtcttgccta agattaaata tatatggata tttttcctaa gaaaagtttt 60
agaaaagact gatgagtgta tttctatgta attggaatat atttaaggtc atnccgnntg 120
ggnnnnanat nttctnctca cactcagggn cntnggggan naacnccngt tggnggaaga 180
nnnccnngnn cnacntgtgc agcanctatc ccttttcctc acggcngntc tccnngnacc 240
tcctcgcnnt nttnnngcnt cccctggngn nnctctgncn ncctcccnnc attcctga 298

<210> 587
<211> 300
<212> DNA
<213> Homo sapiens

<400> 587
ggaagacaca ataattttaa attgcctaca gcaggggttg gcaaatagtg gtgcaagggc 60
cacatctggc tagcagccta tttttgagaa tgaagtttta tgagaaccca cacatctgtt 120
tgtagattgc tatggctgcc tttgagttac agcagtggag ctgagtagct gtgacagaga 180
ctatatgacc tacaaaaact aaaaatattg gtcctttaca gaaaaagttg tctgacccct 240

ggcctactat ttcaaatcct gggtaggtcc tccacgtcag ttcttcatgg aactgtattg 300

<210> 588
<211> 290
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(290)
<223> n = A,T,C or G

<400> 588
gtccagcatt atggagtgaa cgtcagctcc aggaagcaga gacttctggc cctttgttca 60
ccatttcccc agaacctagg gtggtgactc acctataagt gctcaaaaaa catgtggcga 120
atggaggacc agagctaggc tctgaatgag gcctcctgga tctcacgcag gggatggaga 180
gtaaggacca gcccctctac ctcatgcttt cttcctgctg nctcgtanga gcccacatnc 240
ttntgtcctg agcangncan annctgnagn nctgccttga caggatggct 290

<210> 589
<211> 300
<212> DNA
<213> Homo sapiens

<400> 589
ggaaatcatg aaggaaggca agcagtttca ccggatagtg acataccatc gccaccttta 60
tgatatccac gtgactgttc agccaaagta taaacacgtt tatcctaaga actctgtagt 120
aagaaaaagc catttgtagg gtgcttaagc ttgtttgtaa aatggcctac ttgaagtcct 180
catgaataat gagggttgac tttcatttgc ttgaaactta aggaagtttg tgcctataaa 240
agttactgca attcagtatt tctttatttt tttcgagaca gagtctcaat ctgtcgccca 300

<210> 590
<211> 296
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(296)
<223> n = A,T,C or G

<400> 590
ggcgggcgaa tgtagtctca gcctcccgag tagctgcgac tacaggcgag tgcctccatg 60
cccagctaat ttttgnatt tttagngnan nnggcgnnca atcctgttag aaactgttgg 120
agctgcgccg aggcactgac cctgccaccc tctactgcat taacttcanc cacgactcct 180
ccttcctctg cgcttccagt gataagggta ctgtccatat ctttgctctc aaggataccc 240
gtcttaaccg ccgntccgng ctngctcncg tgggcaangt ggggctatga ttggca 296

<210> 591
<211> 279
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(279)
<223> n = A,T,C or G

<400> 591
ggcaagccct ggatgaaaac atggacctct tggaaggtat aactggcttt gaagactctg 60
tccgaaagtt tatctgccat gttgggggca tcanttanna tgccntngnc cgttgactgn 120
tgntntnaga ggctctgngt tcctnnaggg nnanctcntt atanantctt gtntctnngn 180
tcttatcagc annntgctnt ataatcttnt gtacctnccc ntttggtnna gnactnnnnc 240
canataagna ttgatgccta nctctcntat nnttattgc 279

<210> 592
<211> 300
<212> DNA
<213> Homo sapiens

<400> 592
gtgaaagcgg ggcctcacga tccttctgac cttttgggtt ttaagcagga ggtgtcagaa 60
aagttaccac aggggccaga acttccacct tgtggtcaat tgtttcaagt gtgtgaccat 120
acttgtcaag aaagtcaagt cttaccagat aactgaaaaa cagctccaag ttctactggc 180
ctatgctgag gaggacattt atgatacttc aagacaagcc actgcctttg gtcttctgaa 240
ggcaatttta tcaagaaagc tgttggtccc agaaatcgat gaggtcatgc ggaaagtatc 300

<210> 593
<211> 300
<212> DNA
<213> Homo sapiens

<400> 593
gtcggctctt cctatcattg tgaagcagaa ttcaccaagc gttggattgt tcacccacta 60
atagggaacg agagccgaac agctgaagag agttcactga ctccccagcc ccaggtgggc 120
cttgtgcaca tcatgaccag ttttgaagat gctgacacag aagagacagt aacttgtctc 180
cagatgacgg tttaccatcc tggccagttg cagtgtggaa tatttcagtc aataagtttt 240
aacagagaga aactcccttc cagcgaagtg gtgaaatttg gccgaaattc caacatctgt 300

<210> 594
<211> 300
<212> DNA
<213> Homo sapiens

<400> 594
ggaagaaaag tggcagcatg aacagtaaga gaatcattac aggctgggtg cagtggctcg 60
cgcctgtaat cccagcactt tggtaggctg aggccaggag tttgagacca gcctgggcaa 120
catggtgaaa ccctgtcctt acaaaaaagt taaaaattag ccgggatgtg ataccttgtg 180
cctgtggtcc cagctacgtg ggaagctgcg gtggaaggat tgcttgagcc tgggagatcg 240
aagcttcagt gaaccgtaat tgcaccactc ccttccaggc tggaggacag agcaagaccc 300

<210> 595
<211> 297
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(297)
<223> n = A,T,C or G

<400> 595
ggatgggcag cccaccatgt gttcagatgg gatattatgg tatttttcat gtggnattgc 60
ctgnnatggt ttatatttnn cnnnnttttt tacangggnn tngtattgtt tcttannttn 120
cntgtttttt cgnattntna tnttnncttn ntttttttntn tntntntttn tttngnntna 180
tntttnnttt gattcttcta tttnnnnttc nttnnnnttn tccttnttag tnnattntnt 240

ttttntttnc attgtnnngt ttnttnattt ttttttttta ttnatatttt ttaatta 297

<210> 596
<211> 265
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(265)
<223> n = A,T,C or G

<400> 596
ccctgcagac ttcttcttgg acatcattaa tggagattcc actgctgtgg cattaaacag 60
agaagaagac tttaaatcca cagatatcat agagccttcc atgcaggata agccactcat 120
agaaaaatta gctggagatt tatgannтct ccttcttntn cnnagagact ttagctnnnt 180
tacatntnct tttnngtnnt tnannnaann tntttnnncg nttttttatt ntgggntttt 240
atttttgttt tatttttntn tnnat 265

<210> 597
<211> 300
<212> DNA
<213> Homo sapiens

<400> 597
tccgcaccca ccgtggtgaa cgggcccggc caccaccacc atccactctg ctgcggccac 60
ataacccacc tggcccagta cccatggccc ctcgaccccg agttcgggcc cagccttctg 120
gacccagcca gccccacgtg tgtggcttct gtgggaagga gttcccccgg agctcagatc 180
tggtcaaaca caggcgtaca cacacggggg agaagccata caagtgtgca gagtgtggca 240
agggttttgg tgacagttct gcccgcatca agcaccagcg tgggcacctg gtcctgacgc 300

<210> 598
<211> 279
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(279)
<223> n = A,T,C or G

<400> 598
gagaccttga caagaaagat gcatcaatca acatagaaaa tatgcagttt atacacaatg 60
gcacctatat ctgtgatgtc aaaaaccctc ctgacatcgt tgtccancct ggtcacatta 120
agctctatgt cgtnnaaana nanantttgt ctgtnctann ngtttttttnn tttntnggtn 180
ntccangtct ttaagnanct ctnntnttgn ctcatntttn ntgctncntn atcntgtgnn 240
agncgtctng tnctnctann tntnnnnttt gatcttttt 279

<210> 599
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 599
gaggatatag cgatagagat ggatatggtc gtgatcgtga ctattcagat catccaagtg 60
gaggctccta nngngattca tangctannt nnggcnccat gactgagcgc ntnaccnttn 120
cnngnnccct cgncgtccta ngcggctggn taacccatat cgctactacc ccgcanttcc 180
cggacatgat cctctccgcc tctcgagcct ctagaactat agtgagtcgt attacgtaga 240
tccagacatg ataagataca ttgatgagtt tggacaaacc acaactagaa tgcagtgaaa 300

<210> 600
<211> 300
<212> DNA
<213> Homo sapiens

<400> 600
gctgattgag aatagtcgag atgacaccac ttgggtaaaa ggacagctcc aggaactgag 60
cactcgctgg gacactgtct gtaaactctc tgtttccaaa caaagccggc ttgagcaggc 120
cttaaaacaa gcggaagtgt ttcgagacac agtccacatg ctgttggagt ggctttctga 180
agcagagcaa acgcttcgct ttcggggagc acttcctgat gacacagagg ccctgcagtc 240
tctcattgac acccataagg aattcatgaa gaaagtagaa gaaaagcgag tggacgttaa 300

<210> 601
<211> 300
<212> DNA
<213> Homo sapiens

<400> 601
gtattaaata agatgtcttt aaacagaaac acacatatat gtattgattg attaatgagg 60
ctctcaggaa cctgactctg tgtttcccct aggagcagtg tttcagtatt cactaatcga 120
gtgttcatgg tgactttata gaaccactgc aaatagtgag aattaactat acatatatgt 180
ttctgtgtgt acgcacatgt gtgtgtatgc atacttgtct ctaaacatat gggattatac 240
tctgctgctg ttttgctctt tatgtcatta tgtatactat ataagtatat ttttacatta 300

<210> 602
<211> 299
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(299)
<223> n = A,T,C or G

<400> 602
gaagtgaatg aaaagaaaga cagagttaca gatgccctta atgctacaag agctgctgtt 60
gaagaaggca ttgttttggg agggggttgt gcccttcttc gatgccttcc agtcttggac 120
tcattgactt cagctaannn anntnantan atcnntagnn tntcaccttt tnttttnnan 180
anaggcctnt ttttnntnnn ncnttgnntt ttctttgggt cnnctntntt nntttnnnnc 240
ntncctcttt tgnntnaann tctttnnntt annttctttt natttgtttt ttgggtctt 299

<210> 603
<211> 300
<212> DNA
<213> Homo sapiens

<400> 603
cagagaaggg acagaacctg acttcaaaat ttaatatagt aatcaagaaa gtatggtatg 60
ggtgagagaa tagacaaata gatggaataa aatagagatt ccagaaagac ccacacaact 120
agagtccact gatctttcaa aaaggagcaa aggcaattca atggagaaag gatggtcttt 180
tcaacatggt gctgtaacaa ttggacatcc acatgccaaa aaaagatgaa tctagacacc 240

ttacatcttt cacaaaaatt aactcagatc atagacctaa atgtgatgta caaaagtata 300

<210> 604
<211> 300
<212> DNA
<213> Homo sapiens

<400> 604
gagccatgcg agcagctcgt tcccttggag aaagaactgt aacagaactg atattacagc 60
accagaaccc tcagcagttg tctgccaatc tatgggccgc tgtcagggct cgaggatgcc 120
agtttttagg gccagctatg caagaagagg ccttgaagct ggtgttactg gcattagaag 180
atggttctgc cctctcaagg aaagttctgg tacttttttgt tgtgcagaga ctagaaccaa 240
gatttcctca ggcatcaaaa acaagtattg gtcatgttgt gcaactactg tatcgagctt 300

<210> 605
<211> 296
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(296)
<223> n = A,T,C or G

<400> 605
gtaaactgta tatctgtaat atgaatccca gcttttgagt ctgacaaaat cagagttagg 60
atcttgtaaa ggaaaaaaaa accggaccaa aatggagatg agtacttgct gagaatgaat 120
gagggaagga gttggcattt gttgaaagta tagtcttttt ctctttttttt ttnaatngca 180
nctttttactt taaatttagg aggtcagtnc ccaggtttgt tncatgggta tattgggnga 240
tgctganctt ggnatncnaa ngatcctgtn acccaggtan ngagtntang ccccca 296

<210> 606
<211> 297
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(297)
<223> n = A,T,C or G

<400> 606
gtcaacatga agggcaatga catcagcagt ggcacagtcc tctccgatta tgtgggctcg 60
gcgncttccn tggncgcagg ctttcatcgn tatgtntgtc tgtngtattn tcncttntng 120
nttntnnntn tntgntgttt tttngtnctt tttttctgct ntntnntcct ttntttntnc 180
tnctaggnnn ntttntncnt ttcttantnn ttttttncttt tttttgnnnt tnttttttta 240
tntatgtngn tttntttgtt tntannntnt tntgnattcn attgnntatn gctattt 297

<210> 607
<211> 300
<212> DNA
<213> Homo sapiens

<400> 607
ggatctgttt ccagtaatag tattcttttt tgttccacaa atcatagatg tcaccattga 60
accttctgaa gagcctttat ttcctgctga tgaattgtat ggaatagttg gtgctaacct 120
taagaggagc tttgatgtcc gagaggtcat tgctagaatc gtggatggaa gcagattcac 180
tgagttcaaa gccttttatg gagacacatt agttacagga tttgctcgaa tatttgggta 240

cccagtaggt atcgttggaa acaacggagt tctcttttct gaatctgcaa aaaagggtac 300

<210> 608
<211> 293
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(293)
<223> n = A,T,C or G

<400> 608
cagagaaggg acagaacctg acttcaaaat ttaatatagt aatcaagaaa gtatggtatg 60
ggtgagagaa tagacaaata gatggaataa aatagagatt ccagaaagac ccacacaact 120
agagtccact gatctttcaa aaaggagcaa aggcaattca atggagaaag gatggtcttt 180
tcaacatggt gctgtaacaa ttggacatcc acatgccnna taaagatgaa tctagacacc 240
ttacatcttt cacnaaattt aactcanatc atatnaccta ntgtgatgta cct 293

<210> 609
<211> 267
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(267)
<223> n = A,T,C or G

<400> 609
gacggaagta aattatgatg tccaggggga gatggaggat aggacgtatt tataataggt 60
atatagaaca caagggatat aaaatgaaag atttttacta atatatattt tatggttgca 120
cacngtacac accagaagat gntaaattnn tttgtggcat ttaannctnt ctnnnnnntt 180
antgcnnntn nnctctaatt ttttttnnnt ttgtcntttn nttntcnaag anntnatntn 240
ntnnngatnn nttntntann tttcctt 267

<210> 610
<211> 294
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(294)
<223> n = A,T,C or G

<400> 610
gtcgccttgg gcgggagctg agcaaagtga tcattgttga caattcccct gcctcataca 60
tcttccatcc tgagaatgca gtaagtggcc ccaaagaaag aaaatgtcgt gctccatctg 120
agccctctgt cttgccaggc aggtaccact tttgagcacc tacacaagaa ggtctctggg 180
ccttttccta atgaaatccc agctctgcca tttagcagtt gcgtgtcatt gaccaagtta 240
tttaacctca ctgagcctcg gntgcctnat ctgcanatgg gaattatagg aatg 294

<210> 611
<211> 297
<212> DNA
<213> Homo sapiens

<400> 611
ttaaatctta cttgatcatt tagagttttg cttttataaa caagcctttt gatacagagg 60
cagaagccag tgaaaaatac ttttatagag atgaggtctt tttatttttat ttttttatag 120
agacaaggtc ttgctatgtt gcttaggctc caacccctgg cctcaagcca tcctcctgct 180
taggcctccc agagtgctag gattataggt gtgagctacc gtgctcaact gaaaaatagt 240
ttagaagaca gtcctactcg acaaatattt tctttttctt ttctttttttt ttttttg 297

<210> 612
<211> 262
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(262)
<223> n = A,T,C or G

<400> 612
ctcggggctc caggctggct tgcccgcgct ctttcttccc tcgtgacagt ggtgtgtggt 60
gccggaaagg gtgatggact tagcattcac agacgacacc acacaccact gtcaaataaa 120
cagctattta agggggaaaa aaaaannaaa aaaanaaaaa aaaaaaaaaa aaaaaacana 180
aaaanaaaaa tnaaaaanna antnnnaaan canaananna atnntanaca aanaaaaaan 240
gaggtantnn nnnagcnnac nt 262

<210> 613
<211> 280
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(280)
<223> n = A,T,C or G

<400> 613
gattctttcc caggccacaa gacattttct gctcggaacc ttgtttacta atttccactg 60
cttttaaggc cctgcactga aaatgcaagc tcaggcgccg gtggtcgatg ggacccttg 120
tggagtctgn gatgntatag gtttattcna nancnttata ngctanagta aannagttaa 180
caanaacnnt ngnattcatt ttatgttnca ggttcagggg gaggtgtggg aggtttnntn 240
nnnnnntnat ngnnnnnnnt nnnnnnanat nnttttttttt 280

<210> 614
<211> 300
<212> DNA
<213> Homo sapiens

<400> 614
ctcatctcta ccaacaacaa caacaacaaa attagctggg tgtggcagtg tgtacctgta 60
gtcctagcta cttggcaagc tgaagtggca gcattgcttg agcccaggag ttaaaggctg 120
ctgtgaatta tcattgtgcc actatacttc agccagagtg acaaaggaag accctgtctt 180
gaaataaaaa ttttttaata aaattaatta actttagtta ctataacatt ctttataacc 240
tttaaaaaat tttaaatttt tgactctttt tgtaataaac agcttaaaac acaaacacat 300

<210> 615
<211> 300
<212> DNA
<213> Homo sapiens

<400> 615
ggcaggagga tggcttgaac attggaggtc gaggctgcag tgaactgaga tggcaccact 60
gtattctggc ctgggtgaca aagtgagact ctgtctcaga aaaaaaatac tgtggaaagc 120
ctctatgtcc caatatgaaa caatctcctg gatatactct tgtggaaaaa agcaacgttc 180
cacagagtat atgtagtaag ttttatctat gtcagaaaga aggagaaata aaaatatgtg 240
tatgtatttg catatttttg taaaaggtag acacaggaag gataaaccaa aaatgcaaat 300

<210> 616
<211> 300
<212> DNA
<213> Homo sapiens

<400> 616
gccgacctgt gggacctgat ctttctctgg ggtagggcca tcctgggcac tgcagggggc 60
tgagcagtgt cgctggcctc cgcctacttt atgccaggag cacccttagt catgacaatc 120
acaaatggcc ccagacatca accagtgtgc cctggagggc agagtctccc ctggtgagac 180
ctccattcgg tcactccctc cacccccagg gccacgctca aagcctgtcc cagaggagat 240
cctggcctcc gcctgatctc ctctgaccct ttacaaaagt ttgctgaccc ctgacttaag 300

<210> 617
<211> 300
<212> DNA
<213> Homo sapiens

<400> 617
cagctcctcc accagcataa tgggacccag catccctgcc aaaactcggg aggtgctcgt 60
cagccacctg gcatcttaca acacatgggc tttacaaggc atgtatggag tttcttgtgg 120
gcttggcagg tggctgtgaa ggccatcagt gtctgaagcc tgtacttgcc cctccccagg 180
tcctgtgagt ggagaggcac agagtgttct gggctagctg agtgtggagg ctgggtggct 240
ctgatgctag ccaatcactc tacgctctag gctcacacct ttccaccttc gacttcgcca 300

<210> 618
<211> 299
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(299)
<223> n = A,T,C or G

<400> 618
ttttttgcct tttacctggt cccttgatca tgagttttag ctcagataac caggtatttt 60
gaagacgtga ttgtccttgg ccctgcccca tcccttccct ttaaagggtt aaatnttnnn 120
cntgccntnc ctntgnccng aatnccnnna tacnctgcan gccntcctgg gcaacancac 180
actgagcaga ccannangaa acctnggggg ctttgaccnt gtggtctctg atggcttngg 240
gggtgnntnt gcngtccang acaaccggnt annctgnant gncgnttcct acccatgcc 299

<210> 619
<211> 300
<212> DNA
<213> Homo sapiens

<400> 619
ttgaaattac aaatcacgca actgcaacac tagaaggcaa tcagattttt aacaaccggt 60
ttggaggctt atttttagca tctggtgtta atgtgacaat gaaagataac aaaataatga 120
acaatcaaga tgccatagaa aaggctgtta gtagaggcca atgtttatat aaaatatcaa 180
gttataccag ctatcccatg catgatttct acagatgtca tacttgtaac accacagatc 240

gaaatgccat atgtgtgaac tgcattaaga agtgccatca gggacatgat gtagagttta 300

<210> 620
<211> 300
<212> DNA
<213> Homo sapiens

<400> 620
taagggattt gtggcatacc atcaagccaa cccattatac acattatgga aagttcacaa 60
gaagaagaga gaaaggaatg ggcagaaagt ttacttaaat agtgacccaa aacttcccaa 120
atctgggaaa gaaaatggac atccagattc aagaagacta aaggacccca aataagatca 180
acataaacac acaccaagac acattataat aaaattgtca aactctcaaa gacagtaaga 240
gaattttgaa aacaagaaaa aagtgacttg tcgtgtacta gggaacacac atcagactat 300

<210> 621
<211> 268
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(268)
<223> n = A,T,C or G

<400> 621
gagcagggat cttataaagg gccagaaata agatgtgtgg ttcacataga tagtgagcgt 60
aacatctgta ttaaacatag gatagaagnt ttttttngnn nttgattnct ccnctngntn 120
cngttntntt ctnnggttnn gtctntnttn tnacttttnt tnttatnttn ngtcttnttt 180
ntgcttcnat gcttnttntt ntnntttntt atttnncctt cnnntntttt nttttttttt 240
ttntngtttn tttncccntc tnnntnnt 268

<210> 622
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 622
gataacagca gcctccgctc tctcattgag aagcccccta ttctcagtag ctctttcaat 60
cctatcacag ggaccatgct ggccggcttc cgcctccaca ctggcccgtt gccggagcag 120
tgtcatgtga tgcatattca nnctgccnaa nggangaata ngcgcangcg cntanagtag 180
gcggcccngg atcntgggcc angagaaana cgnncnagat gngagngnga cnagnggnng 240
aatnggggnn anganagtgg tgnggnanng gagnngagng nnagcgggnn gaggggggagg 300

<210> 623
<211> 300
<212> DNA
<213> Homo sapiens

<400> 623
ctgccttcca acaaaatcgt caagcgggca gaggagttgg tggggcagga gttgccttat 60
tcgctgacca gtgacaactg cgagcacttc gtgaaccatc tgcgctatgg cgtctcccgc 120
agtgaccagg tgcatcttca gcctgcatcc ccttcccagg agccaggcca ctccctcagc 180
tgccagaggc tgggtccctg ctggggccag ggtgggatgg aaatagacat gagcaagaca 240

aaatagcaga tatgaaactg ttgtccttga gggtgtcaca tttggggtgg ggacaagggt 300

<210> 624
<211> 300
<212> DNA
<213> Homo sapiens

<400> 624
gcacaatgtc tacccagaga tgtttgttcc tgacctgacg cccaccttct atggtgccat 60
caagaacctc ggcaccaacc aatgcctgga tgtgggtgag aacaaccgcg gggggaagcc 120
cctcatcatg tactcctgcc acggccttgg cggcaaccag tactttgagt acacaactca 180
gagggacctt cgccacaaca tcgcaaagca gctgtgtcta catgtcagca agggtgctct 240
gggccttggg agctgtcact tcactggcaa gaatagccag gtccccaagg acgaggaatg 300

<210> 625
<211> 300
<212> DNA
<213> Homo sapiens

<400> 625
gtcagctcgg gcaagccctc cgagaagaac ctctacgccg acatcgacgc cgcgtggcag 60
gcgctgcgca cccggtatgg cgtgagtccc gagaacatta tcctctatgg tcagagcatt 120
gggactgtcc ccacggtaga cttggcctcg aggtatgaat gcgcagcggt aattctccat 180
tcccctctga tgtctggttt gcgtgtggct tttccggata ccaggaaaac atactgcttt 240
gatgctttcc ccagcattga caagatatct aaagtcacct ctcctgtgtt ggtcattcat 300

<210> 626
<211> 300
<212> DNA
<213> Homo sapiens

<400> 626
taacttaaaa ctgccttttc aatttccagc atgtatagaa aatatgattc gactagaata 60
aagactgaag aagaagcctt ttcaagtaaa aggtgcttgg aatggttcta tgaatatgca 120
ggtaggtatt catttgtatc atctaagact gatccttatg acaataagga gtaccttaga 180
gatgattaaa gaatttaaaa atgtgtacat ttcaaatttg ggtgtgtgtg tgtgtgtgtc 240
cctgttagag ggagagaggg acatagctgt aacaaatcac cagatagcct attttatagc 300

<210> 627
<211> 278
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(278)
<223> n = A,T,C or G

<400> 627
gccatgggca ctgtgagcct gggccagctc cccctgcccc ccatccctca tgtgttctca 60
gctggcactg gctctgccat cctgcctcat ttccatcatg cattcagata attgattttt 120
aaagtgtatt tttngtattc nggaanacgt atnatnanta ntcntaattn ttataagatt 180
nnntttnggn nttttaannt ntgtantatn nntatnttnc nttntntatt tntannantt 240
ttntanttnt tnannagtnn ntnactnttn taatttta 278

<210> 628
<211> 300
<212> DNA

<213> Homo sapiens

<400> 628
agaaagcaga gtgtgcagtt gtgttgactc tttgtctccc ggtgataaac ccatgtgata 60
ttttaccaaa gtagataatc aaaagaattg accaaaaaat attaaagcaa agcaaagaaa 120
caaaaggtga tactgccaga agtgaaattt gaatggaaca taaatggaat tacagaggaa 180
atagcaaaga gtgggaatgt tggcactgct gttgttccag tgactctaga tttgctgcca 240
gacaaactta gtgaaagcat tgtgacataa aggatgaaca agtgacactg gcataagatt 300

<210> 629
<211> 300
<212> DNA
<213> Homo sapiens

<400> 629
ggagaatcac ttgagcccgg gagttctggg ctgttgtagt gcactatgcc aatcaggtgt 60
ctgcactaag ttcagcgtca gtgtggtgac ttccctgggg actcccaggg gactgccaga 120
ttgcctaagg agagatgaac tggccaggtc agaaatggag caggtcgaaa ctcccatcct 180
gatcagtagt gggattgtgc ctatgaatag acactgtatt ccagcctggg caatatagca 240
agatcctgtc tctaaacaaa ataaaacaaa acataaaaaa aacccccttgt ctggaacaac 300

<210> 630
<211> 268
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(268)
<223> n = A,T,C or G

<400> 630
gggtggcctg tccagctcag catccttgga agtggccacg tacaccttcc tccagcagct 60
ctgtccagac tcgggcacaa tagctgcccg cgcccatttg cgtcattgcc ccatggtctg 120
cctcagctnt gcgnntctga ccntagtggn gntnctnatt gnnnnncana ncccanctat 180
cgtgangatn cttnnnttct gtttnngnca tngntatntg ntcttannat tgcatanntn 240
tcnnngtnct tnttttttnnt atnnnaaa 268

<210> 631
<211> 300
<212> DNA
<213> Homo sapiens

<400> 631
gttcagtgct ccccgggatt actctggcta tcaacgggat ggatatcagc agaatttcaa 60
gcgaggctct gggcagagtg gaccacgggg agccccacga ggtaatattt tgtggtggtg 120
atcctagctc ctaagtggag cttctgttct ggccttggaa gagctgttaa tagtctgcat 180
gttaggaata catttatcct ttccagactt gttgctaggg attaaatgaa atgctctgtt 240
tctaaaactt aatcttggac ccaaatttta atttttgaat gatttaattt tccctgttac 300

<210> 632
<211> 300
<212> DNA
<213> Homo sapiens

<400> 632
aaaaatatgg gctgggatta caggcgtgag ccaccacacc cagcctttct tttagtgctt 60
taaatatatt ggccctctgc cttctggcct ccaagtttct gatgaaaaat ctgcttgtca 120

ttttattgag gatcccttgt atgtgacaag tttcttccct cttgctactt tcaggattct 180
aactttgcat ttcaaaagtt agactataat gtgtctcagt gtgggtctct ttgagttcat 240
tttacttgga gttacttgag ctgcttggat gtttatatgc atgtctttca tcaaatttgg 300

<210> 633
<211> 300
<212> DNA
<213> Homo sapiens

<400> 633
ggggtttcaa gaacgtgcct cttgggaagg acgtccgcta cttgcacttc ctggaaggca 60
cccgggacta tgagtggctg gaagcactgc ttatgaatca gacggtgatg tcaaaaaacc 120
ttttctggtt caggcacaga ccccaggaag cttttcggga agccctgcac atggacaggt 180
acctgttgct gcacccagac tttctccgat acatgaagaa caggtttctg aggtctaaga 240
ccctggatgg tgcccactgg aggatatacc gccccaccac tggggccctc ctgctgctca 300

<210> 634
<211> 300
<212> DNA
<213> Homo sapiens

<400> 634
ggcaaaggaa ctaaagaagc ctaatgaaga catgtgctta gcagaccaaa agcctttgcc 60
agagttgcct cgtattccag gacttgttct ctctggaagt acattttcag actgtctcat 120
ggtggtgcag ttcttacgaa actttggtaa agttttgggc tttgatgtga atattgatgt 180
tccaaacctg agtgttcttc aagagggatt gctaaatata ggggacagca tgggtgaagt 240
acaagacttg cttgtgaggc tcctctcagc tgctgtatgt gatccaggtc taataacagg 300

<210> 635
<211> 275
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(275)
<223> n = A,T,C or G

<400> 635
gaaatacttt gagcagctct gtggggtgta aaccttctgg tggggactga aaatggcctg 60
atgcttttgg accgaagtgt gcaaggcaaa gtctataatc tgatcaaccg gaggcgattt 120
cagcagatgg atgtgctaga gggactgaat gtccttgtga caatttcagg aaagaagaat 180
agagctacga gtttactatc tttcatggcc agaacgcaga atactacata atgacccaga 240
gngtnaaaat ttaaatcang gnctntatca ctgtt 275

<210> 636
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 636
actaactggg ggattttatt tataagggct ctagaaaaaa cgagttattc acaccagcat 60
catcttaact aacattctga actagttagt gctgcttttt attntgtntn ntcttnttnn 120

ntttttnnttn ncttnnnttt cnantntttn tnttnttttt atctcttnnt ntncttnttt 180
ttntntttct ttntntngtn tntnnantat tctattaggt ntntcatttg ngtttnctnt 240
ntttttnntgt ntcgctnttc ttggncnntn ttttnnnnnt tatttnnttt nttttggttt 300

<210> 637
<211> 300
<212> DNA
<213> Homo sapiens

<400> 637
gaacatccca ccccccccgca gccagtgctc cttgtcaagc tccccccgtc actccaggtg 60
ggagccaccc cggtgagggg gtgtgccact tgtccccagg gcactcctct gggcatcccg 120
ggtgggggat tttggggccg tgggggggcag tctctggtac ctgtgtgcgt cagggatgct 180
ctgcacctgc aaccaggtgt cgtccacggg cgggggcatg gtaacagtgg tcctgttgat 240
gtcaccgatg atgctgagcg cctccttcag cgcgtggtgc atgtgcagca tctcgtcgtg 300

<210> 638
<211> 266
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(266)
<223> n = A,T,C or G

<400> 638
gaagccagcc aacttcttgg atcttggagg tggtgtaaag gaagctcaag tatatcaagc 60
attcaaattg ctcacagctg atcctaaggt tgaagccatc cttgtcacta tatctggagg 120
tatagccatn anaaggctgc aattaccaag gnatcancaa ccnattgcat tcatntnatn 180
cntcaggttc acgtgnaggc ntgggaggtt taantagcaa ngnntnnnnn acangggcta 240
canncaatnn nccccgtant atcnna 266

<210> 639
<211> 275
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(275)
<223> n = A,T,C or G

<400> 639
ggaggccaca gtaaacctcc tcacagccca ctggtcctca agaggtgcca cgtctccaca 60
catcagcaca actacgcagc gcctccctcc actcggaagg actatcctgc tgccaagagg 120
gtcaagttgg acagtgncag agtccngnna cagatcacnn tctanctnaa tctncactca 180
nnctncagnt tncttggncn cnngtangnn aatngnaant nnnnnntttn tttcnntana 240
tnnttcttnn actnttnnnc ntngttnatt ttctt 275

<210> 640
<211> 269
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(269)

<223> n = A,T,C or G

<400> 640
actactttta tttataagga aagtttctct attttgttta taaacattaa accagtgctg 60
tgtgaaggca cttaattggg gggaggtgtg ggaggtttnc angcccntac cacnnntnac 120
nnnccatanc cccccattgt tgnnaaaaan ggggantnga nttactanca ganntancca 180
cctanntnan nnccccccncc atgcccncat nnnangnggc tgcctntnac gaanannnnc 240
ctggnnanag nncctanncc ttnnnattt 269

<210> 641
<211> 295
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(295)
<223> n = A,T,C or G

<400> 641
aagagtgaca agcattggta acagtgcctt agaactgtgt cagttagtct gatttggaaa 60
tcctttatgt aaagctgaga ctggtcctgg ttttgttccc tttggctaca gacctnttgt 120
ccnagntcta ntgtnnccat tncggccttt ncagntnnnt gnattcctcc ntatcnnntt 180
tctntnntnc ctttatnttc ctgttcttta ttttnncttt anntcctcng tggatctcta 240
ttnnnttcta ngnggcctct tcctnnttgg anttntnntc tntnantcct tgtcc 295

<210> 642
<211> 262
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(262)
<223> n = A,T,C or G

<400> 642
ctgtaaatga caaaagaaaa agaaaaattg agccttggga cgtgcccatt tttactgtaa 60
attatgattc cgtaactgac ttgtagtaag cagagtttnt gnnnncnang nattgtagac 120
tttnntatnn tnattttnnn nnganttnct ttntnaattn cttnntaatn tnnacattna 180
tgnttcnttt annttanngn ttantttnta ttgnttntct nnnnnttttt nttnctttna 240
ttttttnttt acttnttatt tt 262

<210> 643
<211> 272
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(272)
<223> n = A,T,C or G

<400> 643
ggagaattcc cttattgctc acttctctga gcttcaaggt tctgaagcat ccagataaga 60
agttccgggt tggccaggcc ctgagggcca ccgttgttgg cccagattcc tccaagaccc 120
tcttatgtct gtccctcaca ggtcctcaca agcttgagga aggggangtg gccnnngccg 180
ntcggtgann gtgatnnann aacnngnnnc tcncnnntcc tcttcncctn tgctnncann 240

nnannancnc nctnnttcac tgaccgactt ct 272

<210> 644
<211> 300
<212> DNA
<213> Homo sapiens

<400> 644
gatgtgtctg gtgtgggttt cccaagcaag gttccttgga agaagatgtc tgcagaggag 60
ctggagaatc agtactgtcc cagccgatgg gttgtccgac tgggagcaga ggaagccttg 120
aggacctact cacagatagg aattgaagcc accacaaggg cccgggccac caggaagagc 180
ctgctgcatg tcccctatgg agacggcgaa ggggagaaag tggacattta cttccccgac 240
gagtcgtctg aagccttgcc tttcttcctg ttctttcacg gaggatactg gcagagcgga 300

<210> 645
<211> 288
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(288)
<223> n = A,T,C or G

<400> 645
ttttgacctt gaaacgatga tcctcaaggt ccttctcagc actggtattc cctgaaggca 60
ttggatgaat aacggagatt ctaacagtct ctgttaagac aggatgngta aagnggncnn 120
tgancttnaa tnttnttcct ntannanttt ntnngnannn ggantncttn atttttttgg 180
atngatnnnt ganattttaa nttnttttgt ttnnanntng nttnnanann nngcnntttn 240
taggggngta nnnttnactt ttatttanct ntntnnggna ttttgttt 288

<210> 646
<211> 259
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(259)
<223> n = A,T,C or G

<400> 646
gccatcttcc agtaattcgc caaaatgacg aacacaaagg gaaagaggag aggcacccga 60
tatatgttct ctaggccttt tagaaaacat ggagttgttc ctttggtcct tatatngcna 120
atctatntnt tnggcnannn tntncntgtt tttttcnatn ntttttttnt ttttttttnt 180
ttgntcncnn agntttaata aaatttttnt ttnanccnnn tattanncta ncntttatnt 240
nnaanatann ncnattngt 259

<210> 647
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 647
tgcccccaga actgtcctgg ctccttccgt attaaacgca tttgcatttt gagaagtgtc 60
cttcccactt cagccctccg gagagactac cctagtcttt ctggggtgnn gatgaactaa 120
gntgaagcnt ggcctatntg ctgagagggt angancngaa gtganannngg nntnaatgcc 180
cactngaatg aagctgagag agagatctan naaaagctan aactcatgnt gtctatcttt 240
gaacttggga naaacccaca aggtgctgct gcttatatct gngaagcact ancttattct 300

<210> 648
<211> 270
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(270)
<223> n = A,T,C or G

<400> 648
agcatatgct tgtctcaaat tgaaaaacgt attcaagaaa tcattgagca gttagatgtc 60
acaactagtg aatatgaaaa ggaaaaactg aatgaacggc ttgcaaaact ttcagatgga 120
gtggctgtgc tgaaggttgg tgggacaagt nctgctttga ttcnnttcnn ncannngnnn 180
cntcntttan ntncnttatn nnnccctngn annnncnntn cctnngcntn nnnctcnntn 240
nnctntnttt cnnnnntcnt nttttantnc 270

<210> 649
<211> 300
<212> DNA
<213> Homo sapiens

<400> 649
ctgttgatcc aagtgtagcc tgaagcgaaa gaggagcctt ccagacccat gccatatata 60
aacacacgtg ggtgtgcatt ctccccccac accttctgtg caaagctggg agctcactcc 120
actgcgtctt gctttttttc acttggcaga tcttggagat tgttccacat cagtacataa 180
agtacataaa gattgtcacc ccacaaatac acaccaagtc ctattttcat cagcgataaa 240
aaagaaaagt tcttgctttc cggaagcttg catgcggctc tgagtaccca gtgacaccag 300

<210> 650
<211> 281
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(281)
<223> n = A,T,C or G

<400> 650
tccagtcgca acggccagac ctgacctgcc agctccgggc gtggggtgaa atctcttgat 60
tcctagtctc tcgatatggc acctccgtca gtctttgccg aggttccgca ggcccagnct 120
gnnctggcnt tnnagctnac tgccnacttc agngaggata cgganccccg caaggacaan 180
ctgcaanngc gagagtatca tggacactna nggactgntg ctttcatgta cttccantgn 240
tggatcatgg tatgacnaca ttttancnan ntgncatttg a 281

<210> 651
<211> 273
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(273)
<223> n = A,T,C or G

<400> 651
gggatcccga gctgtcctgc agctgtaccc tgagaactca gagcagttgg agctgatcac 60
aacccaggcc acaaaggcag gcttctccgg tggcatggtg gtagactacc ctaacagtgc 120
cannntatan naatnttcct ttgtttnana tntgaccttn ttncnntnnt nctnttngct 180
ntntatnnac ttnttcnaaa nctncttngn gtgntcngtt ctatctatnt atnttntntc 240
tcntttcntt tntgnanctt tgattntatt tat 273

<210> 652
<211> 267
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(267)
<223> n = A,T,C or G

<400> 652
cttgggctgc ttattacgct cactattatc aacagcaagc acagccacca ccagcagccc 60
ctgcaggtgc accaactaca actcaaacta atggacaagg agatcagcag aatccagccc 120
cagctggaca ggttgattat accaaggctt gggatgagtg ctncnnnata atggntcnnn 180
nnnnttnnnt nncttnttnt ntaaantnna nnnancntga atttancnnn attcataaac 240
nnnatnnntc nncntnntnt aantcta 267

<210> 653
<211> 252
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(252)
<223> n = A,T,C or G

<400> 653
cccaggatgc ccttgagggg gccctccgac gcctgcttca ccacctttga cgctggggct 60
ggcattgccc tcaacgacca ctttgtcaag ctcatttcct ggtatgacaa cgaatttggc 120
tacagcaaca gggtggtgga nntnatggcc nacatggnct nnatnganta tnaanntggg 180
atgtnccnng ngnatcnann nnnnncgatt cnttnntttn antttctgtn tnncnttnaa 240
tntcgnnttt nt 252

<210> 654
<211> 260
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(260)
<223> n = A,T,C or G

<400> 654
aagactttct cctaatgctt ggaaaaccat aactgacata gttctaaatg gcacagtctt 60

cgtgacacta gatattggaa aacaactaat taaagctcat aaaggagcag cattcctttt 120
tatttctacn attnntgtnn atactgtatn nnntnantnn ttcctatcct nnnnttntnn 180
atttncntnt ttnnnttatt cttnnnntan tattgnattt ntnanttnaa nngnnctgnt 240
gnnnttttta gnnnttntat 260

<210> 655
<211> 266
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(266)
<223> n = A,T,C or G

<400> 655
attttcaatt tggagcatta actaaatgct catacacagt taaataaata gaaagagttc 60
tatggagact ttgctgttac tgcttctctt tgtgcagtgt tagtattcac cctgggcagn 120
gagctgccan gctttctggt gnnttcttgn tcccnctntc tattnnnnnt ncttntccgn 180
cnnncctntt cctctggann cttcnttctc tnctnntttg tctnnntngn nctnttctnc 240
tnnancttta nntttntcnc cnctng 266

<210> 656
<211> 291
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(291)
<223> n = A,T,C or G

<400> 656
gtggagctac agatgaagat gatggagctt gctaataaat cccttcccac cccaagcttc 60
ctttatgact gataactagc tccagctgcc tttaagttca gtatccctag tgagctgact 120
ttccccatct tgctctcttc tgcctacttt tctgctccnt ctanacnntg ttgnctctcn 180
tttagcggcn gcctactcta nntncntttt ngtttangnn cctaaananc cgggntnacn 240
aatncttgcc ttgatcntnc nnctttnggn gttnnntttt taattttgga a 291

<210> 657
<211> 264
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(264)
<223> n = A,T,C or G

<400> 657
ctttggaaac aatatgcaat gtgaagcggt cgtgttgtga gtttagtaag gctgtgtaca 60
ctgacacctt tgcaggcatg catgtgcttg tgtgtgtgtg agtgtgtgtc cttgcgcatg 120
agctacgcct gcctccactg tgcagacctg gtatgtggca tgaacatnag gaaggcctct 180
tttcatgatc atggcntnca anagtgctcc gagcncnntc tttgncatga tacaaaccga 240
tgctntntga ctgatgactc tgnt 264

<210> 658
<211> 300

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 658
ttagccagga tggtctcgat ctcctgacct cgtgatccac ctgccgcggc ctcccaaagt 60
tctaggatta ctggcatgag ccaccgtgcc tggccagcaa ttagaatttt aacactggca 120
gttatgaata atatgaagga gangtnnana tctgannnan nntggattag cnntcnnttg 180
ngctnctttc cgttcatctc atccacagct ttctgtgcat cttcatgcct ttcaaagctt 240
acaaatccaa atcctttgga ttttccactt tcatcagtca ttactttcac acttaaggca 300

<210> 659
<211> 270
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(270)
<223> n = A,T,C or G

<400> 659
aattagggct gctgtgatat tgtcagcttg cattaacaat tagaagatag agaacccgcc 60
atcagggtgt ctacctaact tctcagggac tacacttggt agcnttccac cattnanaga 120
acngnnanct annanccntt tgccnnnnta ncccaanngc ttnctcactt ctcannttcc 180
ttnngnccta nnnnnatnnt nnnatctttn cccctagtnc ctnccttnnc gccatcttct 240
ttnntnnnnt tgncttnann ttnntntcnt 270

<210> 660
<211> 266
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(266)
<223> n = A,T,C or G

<400> 660
aggacagaaa aatgggtggt attggaggga attttggaaa gtaaagtgta tgggttaggg 60
actactggac atactgggag tacagtttgg ttaatgagcc tgaagtcctg gactaagngg 120
taagttccat ctggcttttt aacaggtact aattgntgtg tnnagtnagg gagttttttg 180
ntnttttntt nnnntntnnn tnntcttttt tantnttnnt ctnccacttc tccttntttt 240
tntnttntcn nttnncntnt ttttct 266

<210> 661
<211> 266
<212> DNA
<213> Homo sapiens

<400> 661
gttaacaagc gtcatgaaca ggatgcacgt ggtcagcgtc ccctacgcgc tgatgaaggc 60
gaacccactc tcctggatcc agaaagtgtg cttctataaa gctcgggccg cgctggtgaa 120
gtcgcgagac atgcactggt ctctcctagc tcagcggggc cagagggacg tcagcctcag 180

ctcactgcgc atgctgattg tggccgatgg tgccaacccg tggtcgatct cctcctgtga 240
cgccttcctc aacgtcttcc agtcca 266

<210> 662
<211> 300
<212> DNA
<213> Homo sapiens

<400> 662
agaagaagca gttgaacagt tctttagagt tgggtgaaaa aaaatcatag ccccaactaa 60
aaatgctggg gtcacaattg aagaggaaaa aaattcacaa ttgacctgaa tagtaaattc 120
tctaatgtgg gatcttgcat taatgaaaga tctgggttaa gccctcaagt ctaatgattg 180
ataccaagga aggcatcctg cagtattgcc agaagtctac cctgaactgc agatcaccaa 240
tgtggtagaa gccaaccaac cagtgaccat ccagaactgg tgcaagcggg gccgcaagca 300

<210> 663
<211> 264
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(264)
<223> n = A,T,C or G

<400> 663
ctgcactgtg aacctgggca ctccgcgccg atgccaccgg cctgtgggtc tctgaaggga 60
ccccccccaa tcggactgcc aaattctccg gtttgccccg ggatattata gaaaattatt 120
tgtatgaata atgaaaataa aacacacctc gtggcaaaaa aaaaaaaaaa aaaaaaaaaa 180
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaatt aaatataatt taatannana 240
aaaannanaa naanntntnt anat 264

<210> 664
<211> 147
<212> DNA
<213> Homo sapiens

<400> 664
gctcggtttg agggctcggc gcggggtttc ctgttcctcc ttctgcgcgg ctgcagctcg 60
ggacttcggc ctgacccagc ccccatggct tcagaagagc tacagaaaga tctagaagag 120
gtaaaggtgt tgctggaaaa ggctact 147

<210> 665
<211> 280
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(280)
<223> n = A,T,C or G

<400> 665
aattcaaggc ctgtcgagcc tctagaacta tagtgagtcg tattacgtag atccagacat 60
gataagatac attgatgagt ttggacaaac cacaactaga atgcagtgaa aaaaatgctt 120
tatttgtgaa atttgtgatg ctattgcttt atttgtatcc attatatgct gcngntaaac 180
tagnnancan ctacnnttgc nttcatttta nntttnagtt ntntnnntnn tttttgttgn 240
ttttgttnta ntttnctntc tttatntntt ttttttttt 280

<210> 666
<211> 288
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(288)
<223> n = A,T,C or G

<400> 666
gtaggggagg ggctcctttc cataaatcct tgatgattga caacacccat ttttcctttt 60
gccgacccca agagttttgg gagttgtagt taatcatcaa gagaatttgg ggcttccaag 120
ttgttcaggt cctctgacac cttttggtat cgttaatttt actgatttgt gtagaatgtc 180
agttgtattt taccagctaa tatctagaaa tgctggcaag aggggtttac tccagcttta 240
gattgnaggt atgctacctt ntttcataca gngnnttann nttactga 288

<210> 667
<211> 163
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(163)
<223> n = A,T,C or G

<400> 667
tgaaattcag ctaaccgagc agctacggtc cctcatcccc aacgaggatg tgagaaagtt 60
catgtctcat gttatctgga ccttgaaaat ggaatgttca gaaacacatg tgcaagggag 120
ctgtgccaag ctcatgtcgc gaacaggcct nctgatgaag ctt 163

<210> 668
<211> 262
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(262)
<223> n = A,T,C or G

<400> 668
ataaaatcga taaggaaaat cgtgaagtcg atagaaatga aggcctgaaa tttgcacgaa 60
agcattccat gttatttata gaggcaagtg caaaaacctg tgatggtgta caatgtgcct 120
ttgaagaact tgctgaannn atcnttcana cccntggact gtgntaacng tncntntcnt 180
cntnncnntt nntacctctt cnnggnnncn ntccctattn ggnatntntt ntngnnnnng 240
nctnancttt ttannttttn tt 262

<210> 669
<211> 291
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(291)
<223> n = A,T,C or G

<400> 669
accaagtgca tttagttgaa tgaagtcttc ttggatttca cccaactaaa agtattttta 60
aaaataaata acagtcttac ctaaattatt aggtaatgaa ttgtagccag ttgttaatat 120
cttaatgcag attttttttaa aataaacata aaatgattta tctgtatttt aaaggatcca 180
acagatcagt attttttcct gtnatgngat ttttnnantt tgncncattt tannntantt 240
nanntgttna tnttttntct anntcttatn tttntngctt attttttttt t 291

<210> 670
<211> 264
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(264)
<223> n = A,T,C or G

<400> 670
acaagaaaaa tgattcaaaa aactgctgag ccacttttgg ataaggaatc aatttcagag 60
aatcctactt tggatttacc ttgttctata gggagaactg agggaactgc acattcatcc 120
agtacctcag atgtggatnn nccgggngct tctnnggctn tttannttnn ttcnnngtnc 180
ntnntntgga nttnttattc tnttncntcg tncantngtg ccnttactnt tntcntnnnc 240
cnntanntgn tnnnannggt cntt 264

<210> 671
<211> 261
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(261)
<223> n = A,T,C or G

<400> 671
gctcactgaa gcttaagtga ggatttcctt gcaatgagta gaatttccct tctctccctt 60
gtcacaggtt taaaaacctc acagcttgta taatgtaacc atttggggtc ccgcttttaa 120
cttggactag tgtaactcct tcatgcaata aactgaaaag agccatgctg tctaggctac 180
aacnnnnttn tnnaannggn nnnnnngctt tnngcnnccn tttgnnnccn gnggggaann 240
nnnacccnnn aaccnntttt t 261

<210> 672
<211> 251
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(251)
<223> n = A,T,C or G

<400> 672
attcatttct ctaacagcag taatattaat aattttcatg atttgagaag ccttcgcttc 60
gaagcgaaaa gtcctaatag tagaagaacc ctccataaac ctggagtgac tatatggatg 120
cccctcaccc cacaaccacc accaccacaa taaacaagtt gctgacagcg gaaaaaaaaa 180
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaan aaaaaaaaaa anaaaaaaaa 240
ataaatnntn t 251

<210> 673
<211> 300
<212> DNA
<213> Homo sapiens

<400> 673
ctgggtttca ccatattggc caggctggtc tcgaactcct gacctggtga tcccctgcct 60
cggcctccca aagtgccagg attacagacg tgaagcactg cacccggccc acactgtagt 120
ttttttagca gacagtttca tggcctactt cactaagtag atggagatat ccccccatct 180
tccatggaaa tgtctttctt acttgcctct tatttctcta tcttagaaaa agaggaatcc 240
agtcgggctc ggtggctcac acctataatc tcagcctcct gagtagctga gactacagcc 300

<210> 674
<211> 267
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(267)
<223> n = A,T,C or G

<400> 674
accagattgt tttgcttcag cctcaggtga tcagactctg agaatatggg atgtgaaggc 60
agcaggagta agaatcgtga ttcctgcaca tcaggcagaa atcttgagtt gcgactggtg 120
nacatncnat ganaatttgc tggngancnn tncgnttnan ttnttttntn tttntntnnn 180
ntgnctttnn tcnnntattt ttnntcnttn nntnacncnn ntcnagtnng tcnngnatct 240
ctnttttgnn nttntntntt gtccgtt 267

<210> 675
<211> 266
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(266)
<223> n = A,T,C or G

<400> 675
ctccaaggtt ggctccacgg aaaacatcaa gcatcagcct ggaggaggcc gggccaaagt 60
agagaaaaaa acagaggcag ctgctacaac ccgaaagcct gaatctaatg cagtcactaa 120
aacagtcggc ccatttgcca aattgcnntt tcntnttnnt ntatattgtn ttntnnttgt 180
tttaantntt ntncntntaa ctnntntnnn ttcttttnan gannttnttn nnatttnntn 240
cgtnttttttn attnaattng tttntt 266

<210> 676
<211> 300
<212> DNA
<213> Homo sapiens

<400> 676
agaaagattc tcgcttaaaa aaatgtattt attttatggc aagttggaaa aaatgtaact 60
ggaatctcaa aagttctttg ggacaaaaca gaagtccatg gagttatcta agctcttgta 120
agtgagttaa tttaaaaaag aaaattaggc tgagagcagt ggctcacgcc tgtaatccca 180
gaactttggg aggctaaggt gggtggatca cctgaggtca agagttccag accaggctgg 240
ccagcatggt gaaaccccgt ctgtactaaa aatacaaaaa attaactggg catggtagtg 300

<210> 677
<211> 300
<212> DNA
<213> Homo sapiens

<400> 677
ggtagaagca gcaaagaaag cccaccatgc agcgtgcaaa gaggagaagc tggctatctc 60
acgagaagcc aacagcaagg cagacccatc cctcaaccct gaacagctca agaaattgca 120
agacaaaata gaaaagtgca agcaagatgt tcttaagacc aaagagaagt atgagaagtc 180
cctgaaggaa ctcgaccagg gcacacccca gtacatggag aacatggagc aggtgtttga 240
gcagtgccag cagttcgagg agaaacgcct tcgcttcttc cgggaggttc tgctggaggt 300

<210> 678
<211> 291
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(291)
<223> n = A,T,C or G

<400> 678
gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga 60
gagagagaga gagagagaga gagagagaga gagaganann gaganagana nagagagagn 120
gagagagaga ganagagagn gnnngagann nagagngngn cntcatctgc tttntcncac 180
gcactcncnc ctgnccctnc gtttnttgnt tcctgatctc acttccgtct ngctcactct 240
cnctngctgg ngattctgnc ctgnnaacnn atactnantt tttntcttat g 291

<210> 679
<211> 297
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(297)
<223> n = A,T,C or G

<400> 679
gagtcaggaa ggtaaggcgg ggagtgactg aataaactct gccttttaaa ttgagcatct 60
gggccgggca tggtggctca cgcctgtaat cccagcactc tgggaggtcg aggtgggacg 120
tgtcatgctg atccagtttg tgaacgtgct gctncaggtc ctggtccaca agtcccatga 180
tcttntnnan gaggagattg gcatcgccat ntacaacatg gcctcagtca antttgatgg 240
ctcgtttgcc gnnttnctnc cngagttcnt gacccnctnt natnntgtng attcctg 297

<210> 680
<211> 266
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(266)
<223> n = A,T,C or G

<400> 680
gaacctcatc aggaggactg aaggaaagga gccaggctgc agccctctgc ctgcccttcc 60

gtgccatcat ctccaggatt aatgaaaggg ccattcagga aacagcacag ggagctacaa 120
atttacgggt tcactggtga ttgatctttt catccagcac aatggacaga agtctaagga 180
acgtccttgt ggtttccttt gggttcctgc ttctctttac agcctatgga ggtctgtaga 240
gcctgcngag cagtcngtac agttag 266

<210> 681
<211> 259
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(259)
<223> n = A,T,C or G

<400> 681
ggacagcact tagtagctgt ggaggaagat gcagagtcag aagatgaaga ggaggaggat 60
gtgaaactct taagtatatc tggaaagcgg tctgcccctg gaggtggtag cacggttcca 120
cagaatntag tanaacttgc tgctgatgan gatgatgacg atgatgatga agaggnagat 180
natnnnttgn nnatntnctt nntntntttt nnnncnnntg ttgntntttt nttncccnnn 240
ntnnnataaa ttgtntttt 259

<210> 682
<211> 295
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(295)
<223> n = A,T,C or G

<400> 682
cctttgaatg taaagaatgt ggaagatcct ttagaaattc ctcatgcctt aatgatcaca 60
ttcaaattca cactggaata aaaccacaca agtgtactta ctgtgggaaa gccttcacta 120
gatcaactca acttactgaa catgtaagaa ctcacactgg aataaaaccc tatgaatgta 180
aggaatgtgg ccaagccttt gctcagtact cgggcctttc tatacacata cgaagtctca 240
gcggnangaa nncctatcag tgnnaggnat gtnngannng cntcnctact ccctc 295

<210> 683
<211> 300
<212> DNA
<213> Homo sapiens

<400> 683
actataggcg cccaccacga cgcccggcta atttttttgta tttttagtag agacggggtt 60
tcaccaggtt agccaggatg gtctcgatct cctgaccttg tgatccgccc gcctcggcct 120
cccaaagtgc tgggattaca ggcgtgagcc accgtgcccg gcctacaaat gttaacaaag 180
caattaccaa tggccttttt acatattttt tctttaatga ggaataatat gcatgtagaa 240
aagacctact taaagtcttc atttatattc tttcaaatca aatctttatt taataactta 300

<210> 684
<211> 291
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(291)
<223> n = A,T,C or G

<400> 684
aatttggctc gcagcgcagc cgtggcccgt gcttcctctc actcatccca gacacagggt 60
gggggcagcg tcaccaaaaa gcgcaaactg gagtccactg agagccgcag cagcttctca 120
cagcacgcac gcactancgg gcgcgtggtc gngnaggagg agnncntagg gacgtatctg 180
ctatgaaaat cccaaanttt tcagatagng ccctaaaaac aattttatat gccncactgg 240
ttggtattct taggntattc ccacacttga ctttatcatt ggtactacta g 291

<210> 685
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 685
agagagagag agagagagag agagagagag agagagagag agagagagag agagagagag 60
agagagagag agagagagag agagagagag agagagagag agagagagag agagagagag 120
agagagagag nnattnnctc tntntnctcc tctctctcnt ttttntcccc ctnttttccc 180
ttntttnttc gntnttttnc nttcntcntt ctctntctcg tctccnntnt nttncntttn 240
cctctccttt tttcttntct ctnttnntcc ttcctncnct tcttgttctc ttctttcttt 300

<210> 686
<211> 238
<212> DNA
<213> Homo sapiens

<400> 686
gaaatacttt gtgcagctct gtggggtgta aaccttctgg tggggactga aaatggcctg 60
atgcttttgg accgaagtgg gcaaggcaaa gtctataatc tgatcaaccg gaggcgattt 120
cagcagatgg atgtgctaga gggactgaat gtccttgtga caatttcagg aaagaagaat 180
aagctacgag tttactatct ttcatggtta agaaacagaa tactacataa tgacccag 238

<210> 687
<211> 285
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(285)
<223> n = A,T,C or G

<400> 687
cgagccacaa gctgcactgt gaacctgggc actccgcgcc gatgccaccg gcctgtgggt 60
ctctgaaggg acccccccca atcggactgc caaattctcc ggtttgcccc gggatattat 120
agaaaattat ttgtatgaat aatgaaaata aaacacacct cgtggcaaaa aaaaaaaaaa 180
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aataaannnn nnncnnnaaa 240
aaaaannngg gnnntnnnna nnaaaannnn aaaaaaaaaa aaaac 285

<210> 688
<211> 253
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(253)
<223> n = A,T,C or G

<400> 688
cgagccacaa gctgcactgt gaacctgggc actccgcgcc gatgccaccg gcctgtgggt 60
ctctgaaggg acccccccca atcggactgc caaattctcc ggtttgcccc gggatattat 120
agaaaattat ttgtatgaat aatgaaaata aaacacacct cgtggcaaaa aaaaaaaaaa 180
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaannnc nnncntnnaa 240
aaaanttggg ggg 253

<210> 689
<211> 262
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(262)
<223> n = A,T,C or G

<400> 689
ccagcattca aaattcccat gcttagggaa tccattggga cttctcccca ggatgtactg 60
aattcaagga agctttctct aggtgtagca gaaactgctg ctgnnatgtc tctgctcacc 120
aggacgtnng ttctntntac agncctttat ttgnttnnnn tggnggnant agnttntngn 180
ccctggnanc tagnnnantg gggntnnnan nttntggtan ttngcgtcat nttcnnttgn 240
nnattacnnn ntntgntgcn tt 262

<210> 690
<211> 300
<212> DNA
<213> Homo sapiens

<400> 690
acaccttcat tgtcgtatct ccggtgtgta tcagctctcc aactctatgt cataattcag 60
ttcatgggga tcttgattac ctttcccttc cacaaaatat tacactgatt ggttatatcg 120
atgacattat gctgatttga cctagtgagc aagaagtagg aactacatta gacttagtgg 180
aaagacattt gcatcagagg gtaggaaata aatatgacta caattcaagg gccttctacc 240
ttagtgaaat tggtagggac ccagtgacat ggggcatgtt aggatatttc ttctacggtg 300

<210> 691
<211> 264
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(264)
<223> n = A,T,C or G

<400> 691
atagcactga tgctgggcca acaattagcc ccatttgtac ctttttacaa actttttgac 60
aattgccaag aatcgtccac cttccctccc cattgaatta aatacacttc ttgtctcatg 120
gatactcaga ataccaatca aggtaacaga tgcctttatt ttaactaagg acacagtaca 180
gatctcacag ggacactcct tattccttgc agagtttcag acactactga gggtcaccat 240

agcancnttt natcngaann cnca 264

<210> 692
<211> 300
<212> DNA
<213> Homo sapiens

<400> 692
ggataccgta tcgacgtggg gcctccggtt gctgctaaat gggaaaaact tagcttagta 60
ctgatagatg actttattga aagtggaact gaacaagtac tcctactttt taaggactcc 120
ttgaactcag actgcctgac ttcatttaaa ataacggatc ttggaaaaat aaactattcg 180
agtgaaccat cagattgcaa tgaagatgac ttatttgaag acaaacaaga gaatcgttac 240
ctggtggttc cacctctaga aacaggactg aaaagcacat ggaagatctt tttgcacttc 300

<210> 693
<211> 282
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(282)
<223> n = A,T,C or G

<400> 693
atgaaccatc tgcttttaat gattttcaga ggccagccat ttattacatg atgtcattca 60
gggattggta tgagatgcaa gatgctggaa ttacttcaga ctcaatgatg aagaacttct 120
tctttgtgcc ttcttgcntt cacntgagcc nnanacgctc gcttttcngn tgcngcttaa 180
actggccttn ccgctnnnnt anntntgctn ntggacnccc catacgtacg cntcctttnn 240
ctnnnngncc aggtcatnga tncnttcctn accntcaaat tt 282

<210> 694
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 694
cccaagcccc atctcatcct ggcacgccct actccactgc cctggcagca gcaggtgtgg 60
ccaatggagg ggggtgctgg cccccaggat tccccgagcc aaactgtctt tgtcaccacg 120
tggtgctcac ttttcatact tccnnaaatt acctagnccn cgnnntaaca tggannggnnc 180
tgttgcctta nctaanggna caaccataac ctggctgccc atcatgtggt ccnacccaat 240
caaggnnaga atgangaatg ctngactgga nnccccctgga nccanatggc nanagggtga 300

<210> 695
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 695
gcctggacac tgcaatatac atacatacat aaacataaac cggaaatcca tatgagcttg 60
gaggtagagg agtgggtggt gttggatttg gtggtgggtg ggacccttta tgggtccttc 120
ctggtnccct gagggcncna tnaggagtcc nttacttcct ttcttccttc atattttaca 180
ggcngatgct tttcttataa tctaattaca tctttttatt tgttatatat tacaaaccat 240
nacacttata aatacttccn ngaantgctt ttttgaagtg tgaattaatn tnaaatgggg 300

<210> 696
<211> 255
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(255)
<223> n = A,T,C or G

<400> 696
gccccttgtt catctgtgtc ttctgcaaac tagtctcatg aagaattctg gcgtgcagcc 60
agggtagctg aagtttgggt ctgggactgg agattggcca ttaggcctcc tgagattcca 120
gctcccttcc accaagccca gtcttgctac gnggtncatg gnataccnga ctcncttngg 180
gcctnanttc ncnctttctt tttgtgtngn tcntaatnna tnantntntt nnntntngtt 240
nnntntctcc ttntt 255

<210> 697
<211> 293
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(293)
<223> n = A,T,C or G

<400> 697
cgaagctctc tacgacattt gcttcagaac cctaaagctg accacgccca cctatggtga 60
cctgaaccac ctggtgtctg ctaccatgag tggggtcacc acctgcctgc gcttcccagg 120
ccagctcaat gctgacctgc ggaagctggc tgtgaacatg gtcccgttgn cnangatgca 180
ctnattnntg nccnnatttg gccccatgaa cagacggnnc gnntgtcann atctggccct 240
agnatacggc tgnannatac ancgtgagac agntgtttnc ataanagtgg ctg 293

<210> 698
<211> 257
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(257)
<223> n = A,T,C or G

<400> 698
gacaacgaaa gttacttggg cttcctgagg attacttgta tggacaaact accacatatc 60
tgacatataa tgacttcatc aacaaggaac ttatcttgtt ctcaaattct gataacgaga 120
gatctatccc ttctatggtg gatggnttga acnnttanna nanaannntn nnntattcat 180
aattacancc ctnacnnaca nntactnann gnacncnana nnnnnatnaa ttacatntnn 240
atnntatnct nnnncnt 257

<210> 699
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 699
caaaggggac tatcctctgg aggctgtgcg catgcagcaa gatctacgtg gatgatgggc 60
ttatttctct ccaggtgaag cagaaaggtg ccgacttcct ggtgacggag gtggaaaatg 120
gtggctcctt gggcagcaag aagggtgtga accttcctgg ngctgctgng gactngcctg 180
cttngtccca cancgncttt cnanntctgn tgtctnctnn atntntngtg tggtncntnn 240
ntnttncntt annttnctnc tacttttttng tgangnnncc cantgannna ancctttgtcc 300

<210> 700
<211> 255
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(255)
<223> n = A,T,C or G

<400> 700
ctgaaagtag ctaaggcacc ccagccggag gaagtgagct ctcctggggc gtggttgttc 60
gtgatccttg catctgttac ttagggtcaa ggcttgggtc ttgccccgca gacccttggg 120
acgacccggc cccagcgcag ctatgaacct gnancgantg tccnttgang agaaattgan 180
cctntgccgg angtactacc tggtnnngnt tngnttnatc tnnnngtnct tatctgtctn 240
nnncttntcc tcatt 255

<210> 701
<211> 300
<212> DNA
<213> Homo sapiens

<400> 701
acttggcaaa tgttgctaac aaccacaagc agaatttgat gacggtggca aaccttggtg 60
tggtgtttgg acccactctg ctgaggcctc aggaagaaac agtagcagcc atcatggaca 120
tcaaatttca gaacattgtc attgagatcc taatagaaaa ccacgaaaag atatttaaca 180
ccgtgcccga tatgcctctc accaatgccc agctgcacct gtctcggaag aagagcagtg 240
actccaagcc cccgtcctgc agcgagaggc ccctgacgct cttccacacc gttcagtcaa 300

<210> 702
<211> 300
<212> DNA
<213> Homo sapiens

<400> 702
gtgaattgcg ggaatctttg tctgaagtgg aagaaaaata caagaaagcc atggtttcca 60
atgcacagtt agacaatgag aagaacaatt tgatctacca agtagacaca ctcaaggatg 120
ttattgaaga gcaggaggaa cagatggcag aattttatag agaaaatgaa gaaaaatcaa 180
aggagttaga aaggcagaaa catatgtgta gtgtgctgca gcataagatg gaagaactta 240
aagaaggcct gcggcaaaga gatgagctta ttgagaaaca tggcttagtt ataatccccg 300

<210> 703
<211> 262
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(262)
<223> n = A,T,C or G

<400> 703
tgaggctcag tacgtattcc tgcatcagtg catcctgcgg ttcctccaac agtcagccca 60
ggccccagcc gagaaggaag tcccgtatga ggatgtcgaa aacctcatct acgagaacgt 120
ggccgccatc caggctcaca agttggaggt ctaantgacg agggggctgn ncggnatnnc 180
aggcattctc atgctctnga cncccantng agnccatatn tttngannan tanangnnng 240
nnntgnnnna ttnntgntnt gc 262

<210> 704
<211> 300
<212> DNA
<213> Homo sapiens

<400> 704
ggtgaagaac cggatcactc tgcaggaagt ggtctcccac tgcaagaagc tgaccaagag 60
gaataaggaa cagctgtcag atatgatggt tctggacaag cagaagggtt taaagtcgct 120
gagcaaagag aaacggcaga aactagaagc ataccaacac ctcttctacc tgctccagac 180
tcagcccatc tacctggcca agctgatctt tcagatgcca cagaacaaaa ccaccaagtt 240
catggaggca gtgattttca gcctgtacaa ctatgcctcc agccgccgag aggcctatct 300

<210> 705
<211> 241
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(241)
<223> n = A,T,C or G

<400> 705
ctatagtgtg cactctgaaa tgtactcagt gaaaatttgt tttgagtttc attaatgcta 60
tttcaccagt tagacataat tacttctacc gatgtgaatg atacggatgc cggcagagct 120
tccagatctt tcagactcan ctgctaggtc aantactttg gnntantnnn antntttntt 180
naananntgn nctttntttn nncccnnann tantttana annnnnnnna nnnctttnaa 240
a 241

<210> 706
<211> 300
<212> DNA
<213> Homo sapiens

<400> 706
ggaatctgga aaaccagggg ctcatgtaac tgtgaagaag ctgtttgttg gcggaattaa 60
agaagatact gaggaacatc accttagaga ttactttgag gaatatggaa aaattgatac 120
cattgagata attactgata ggcagcccgg ctatcagccc ggatgacagt gacgaggaga 180
actgagggca cgtggggtgc ggcagcgggc tagggcccag ggcagcttgc ccgtgctgcc 240
gtgcagttct tgcctccctc acggggcgtc acccccagcc cagctccgtt gtacataaat 300

<210> 707
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 707
aattcaaggc ctctcgagcc tctagaacta tagtgagtcg tattacgtag atccagacat 60
gataagatca ttgatgagtt tggacaaacc acaactagaa tgcagtgaaa aaaatgcttt 120
atttgtgaaa tttgtgatgc tattgcttta tttgtaacca ttataagctg caataaacaa 180
gttaacaaca acaattgcat tcattttatg tttcaggttc agggggaggt gtgggaggtt 240
tttcctatgg gcatgggtgg cttcaccaac gtgaactttg gccgctcncg ctctgcccaa 300

<210> 708
<211> 298
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(298)
<223> n = A,T,C or G

<400> 708
agacgctggt ggccctgtgg tgggagagga aaggaaggag agggtgttgg cagtcctttc 60
acactggctt tgaagtcctg agatgaggaa attcccagtc tggccttgct gggctgtttg 120
ctgctttgag tgtgtcctca tctgccggat ggtggnggag gctgaattga tcntngnctt 180
tcnatatgcc angccccttn natcanngct gctganagcc cttctcctcn taatcctntt 240
tnnctttctt cttgtnccat nntccttttt gntgcncnct angcntttng ntcttgtg 298

<210> 709
<211> 274
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(274)
<223> n = A,T,C or G

<400> 709
aagaagctgc ggaagcccag acaccaggaa ggtgagatct tcgacacaga aaaagagaaa 60
tttgtgagtc cacagctttt accaaaaatc aaagctattc ctcagctcca gggctacctg 120
cgatctgtgt ttgctctgac gaatggaatt tatcctcaca aattggtgtt ctaaatgtct 180
taagaaccta attaaatagc tgactacaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240
aacnnnnccc ntnaaaaann nngggggggt tttt 274

<210> 710
<211> 295
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(295)
<223> n = A,T,C or G

<400> 710
gatgacctca acactgcctc ttgatttgtt tgatgcatgt cactttcatt aattttcccc 60
ctccttttg aaagtcctgt ggcagtacta atattttcat tttatgtaat ctctggtgct 120
gctttccagt cactgtatga agtgtctccc caacactagc aaatctaggt cctactaaat 180
acaaatctct gggtggatga tcttctagta ctgtattttt aaattaagga gttttagtta 240
taatgaaatt gatttgtagt ctgttttgcc gtaaacttgn ttttctttaa attgt 295

<210> 711
<211> 254
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(254)
<223> n = A,T,C or G

<400> 711
gaaaaggcaa gcaagccaca gacagagaga aaatagtcac aaaacgtatc tgacctccac 60
atcctgtaat tagaattatt gtggtctggt acactgcacc cagtttctgc aggagtactt 120
tctgggtgtc tctattgagt aagagagggc cccatgggat attcctacag ttcccagatg 180
aacagtggga aagactctac nttncaantc cngggtacnt ntntctngng nccttttntna 240
nngtcnanac nnnt 254

<210> 712
<211> 298
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(298)
<223> n = A,T,C or G

<400> 712
gagcggcctt acaagtgcga tgactgcgga aaggccttgt cccagagctt cgacctcatc 60
cgccaccagc ggacccacgc ggcgggccgg cgctgacctg gggccccagc aggggtggga 120
ggtgagggca gaagataagg ggccagggag ctaatngant ctttagggag gatatangng 180
ngaatcccca atanaatgna ggacnnttat ntnctggann annacattga tgctgtaagt 240
gatgtcngga cnnncctggn ncctgnncac ccagnagnaa ngnggcantt cttacctg 298

<210> 713
<211> 265
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(265)
<223> n = A,T,C or G

<400> 713
gaagcacacc tttgacagcc acacctggag gccgaggaga catgaaatat ggcatatatg 60
ctgtagagaa tgagcatatg aatcggctac agtctcaaag ggcaatgctt ctgcagggca 120
ctgaaagcct gaaccgggcc acccaaagta ttgaacgtnt ttatnngnnt gttcagagnt 180

tgtnncttnnt ggatttnttt ctttntngnt tnanntgggt cgtgtttttt annnnctttn 240
ttnncntnan ntcnggtcgc ttata 265

<210> 714
<211> 300
<212> DNA
<213> Homo sapiens

<400> 714
ctgatcctcc gcttccagaa ggagctgaag gagatccagt acggaatcag agcccacgag 60
tggatgttcc cggtgtgaag ctgcaggctg tgctccagat ccaccgaccc gtagcatctc 120
gtcacgccag cactcgcctc cctaccaatg actcacctga aattgaaacg ggcaggaaat 180
agtctggcag cctctacagc agaagaaacg gcaggcagtg cccagggtcg tgcccaggag 240
gctgagcagc tgctacgcgg tcctctgggt gatcagtacc agacggtgaa ggccctagct 300

<210> 715
<211> 300
<212> DNA
<213> Homo sapiens

<400> 715
ctgagccagg tgcgggatat aatcttgtgg tgcgccgttt tttaagccgg tccgaaaagc 60
gcaatattcg ggtgggagtg acccgatttc ccagctcaga acctgaggac gcagccatgg 120
agcggtcggc cttcatggag ctggatgctg ggagcaggct ggtgatgcat ctccgcgagt 180
ggccagccct gctggtcagc agcacgggct ggacagagtt tgaacaactt actcttgatg 240
gacacaacct tccttctctt gtctgtgtga taacagggtc ggtggacctg ggtgtctgtc 300

<210> 716
<211> 300
<212> DNA
<213> Homo sapiens

<400> 716
ggtgaatgcc acacccttca agattgctcg aggccagatc ttgaagatac tcacagggaa 60
gatagtggtg gggcatgcca tccacaacga cttcaaagcc cttcagtact ttcaccccaa 120
gtccctcacc cgtgacacct cccatatccc ccccctcaac cggaaggctg actgcccgga 180
gaatgccacc atgtctctga agcatctcac caagaagctg ctaaaccggg atatccaggt 240
tgggaagagc ggacattcct ctgtggaaga tgcccaggcc accatggagc tatataagtt 300

<210> 717
<211> 300
<212> DNA
<213> Homo sapiens

<400> 717
tttagatgtt ccagagtcct cagagtccat gaaaggactc acagtggaga aaagccctat 60
gaatgtaaac aatgtggtaa agccttcaaa tattctagta acctatgtga gcatgaaaga 120
actcacactg gagtgaaacc ttatggatgt aaggaatgtg gtaagtcgtt tacttcttcc 180
agtgcccttc gaagccatga aaggactcat actggagaaa aaccctatga atgtaagaaa 240
tgtggtaaag ccttcagttg ttccagttcc cttcgaaagc atgaaagagc ttatatgtgg 300

<210> 718
<211> 300
<212> DNA
<213> Homo sapiens

<400> 718
cggcggcggt ggtggcttgt ggtgcggcct caccatacag gaacagggca gacgttagcg 60

tgagtgatca ctctcaatcc cggggacctg gtggccttag tctttcaggt ggaacggtgt 120
gcgacatggg aaagaaaacc aagcggacag ctgacagttc tcctccaccc ctgacaacca 180
ctcaccattt tactacttct atctttttga ctttccaaga atgtcctaga gttggagtgg 240
tacagtatgt gggtttccag actggcttct ttctagcatt atgtacttta agttccttca 300

<210> 719
<211> 300
<212> DNA
<213> Homo sapiens

<400> 719
actcagccca cctgcaccca ggtgaaataa acagctttat tgctcacacg aagcctgttt 60
ggtggtctct tcacacggat gcgcatgaaa tttggtgccg tgacttggat cgggggacct 120
cccttaggag atcaatcccc tgtcctcctg ctctttgctc cgtgagaaag atccacctac 180
gacctcaggt cctcagaccg accagcccaa gaaacatctc accaatttca aatctggcac 240
ccactggaaa tcagactgcc cagctcgccc gacagccact cctggagccc ctaaagctct 300

<210> 720
<211> 234
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(234)
<223> n = A,T,C or G

<400> 720
atacggcgtg gagatcagct cctccaccag cataatggga cccagcatcc ctgccaaaac 60
tcgggaggtg ctcgtcagcc acctggcatc ttacaacaca tgggctttac aagggattga 120
gtttgtagct gcccagctca agtccatggt gctaaccttg ggcctgattg acctgcgcct 180
gacagtggag caggccgngc tgctgtcact cctggaggan gnnttccann ntnt 234

<210> 721
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 721
gtggaagaag aaaagtttcc tacacaactg agcaggcata ttaagtttgg tcagaaatca 60
catgtggagt gtgctcgatt ttctccagat ggtcagtatt tggtcactgg gtctgttgat 120
ggattcattg aactatggaa ctttactact ggaaaaatca naatggntnt tanntnccan 180
gcccactnta cntntatnan gatgnangnn nccagnntac agtcntgatn tgtctccagt 240
ctccacctnn cactgtctgg ttncngttgg tactatanga cccatgnnta caacttttgt 300

<210> 722
<211> 261
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(261)

<223> n = A,T,C or G

<400> 722
gttaattcat tcctttccct gaaggagact gggctctggg ctccctgcgt ggtgaggatg 60
aggagcagaa tagagctgca gtcagcaggg agcagggctc attctgggga gcagagacaa 120
atagagaaca gtatctcttg ctatatgcag ggcactgcaa cttacaaatc acagcgcatg 180
gcgaggacga gggttggggt ggttcctcnn accatgnntn cnnnngttnt acccccttnnt 240
cnnngnnact ctnactnnna a 261

<210> 723
<211> 275
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(275)
<223> n = A,T,C or G

<400> 723
gtggcaaagc ttcatccagt ctaggtcttc aggattttga tttgctccgg gtaataggaa 60
gaggaagtta tgccaaagta ctgttggttc gattaaaaaa aacagatcgt atttatgcaa 120
tgaaagtttg tgaaaaaaga gcttgttaat gatgatgagg atattgattg ngtncncnac 180
gganaagcat ngtntntgan ccggcntttn ttcatntnnt ttcccncttn ncgnntnntt 240
tnctcngcng ncccngattt tatnnncggt cctat 275

<210> 724
<211> 280
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(280)
<223> n = A,T,C or G

<400> 724
agaagaattt ggtataatca tgaaagccct gtggacagga cagtatagat atatcagtcc 60
aaaggacttt aaaatcacca ttgggaagat caatgaccag tttgcaggat acagtcagca 120
agattcacaa gaattgcttc tgttcctaat ggatggactc catgantatn ncgntatann 180
ngatnncnnn ntagcnntnn tnnnnntcnn ccccanctga ctttnnnntn ccnnnnnnnn 240
ccngctaagn ngnttgcnnn ntnccccncg cagctccccg 280

<210> 725
<211> 276
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(276)
<223> n = A,T,C or G

<400> 725
gtgacgcgca tgaatggatg aacgagattc ccactgtccc tacctactat ccagcgaaac 60
cacatgccgt tggcaaccac aggtcattca gcgacaagaa tggcctcacc agcaagcggg 120
agctgcggcc cgaagatgac atgaaaccag gaagctttga caggtccata cctgaaaaca 180
atatcatgcg cacaatcatt gagtttctgc tttcttgcat ttcaaagagg ccgggccntn 240

naccgntcnt gaatttcccn gccgancntt ttaaaa 276

<210> 726
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 726
ccgtgggact agggcggcga tggtgtccca tgcagagtgc cgtcctctgg gagtgtttga 60
gtgtgaactc tgtacnttga cagctccgta cagctatgtg ggacagaagc cccccaacac 120
ccagtcgatg gtgaatgcag tttattctac tccaagagat tctgcctccc ttgtgtccgg 180
gagaacatca atgcttttcc tcaggaaatt cggcaagact tggagaaaag gaaagctcca 240
tcaaagagga cccccagcca gcccggttct cggacgtgag tgcaactggg gctaggtcat 300

<210> 727
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 727
ggaagctcca cgtgtagctg agctgcatgc accaggcctc agtttgcccc aagtcccctg 60
tgtactctct catggcctgt ggccaagaaa tgtattctct cactttggac ttaggagtcc 120
aaagagaagc ccagaaacaa aattgcttga acttgaattt gtgtgcgtgc gcacgtgtgc 180
acgtggtggt gaancnatat tnnttccacc nntggctnat nccatggcac cttcaaggct 240
tgatancggn aatcttgtca tnaatggaaa tcccatgnct tcttncanga tcgagattcc 300

<210> 728
<211> 298
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(298)
<223> n = A,T,C or G

<400> 728
gttattgctc tcggtgttcc taatcctcgg acttccaatg aagttcagta tgaccaaagg 60
ctcttcaacc aatccaaggg tatggacagt ggatttgcag gtggagaaga tgaaatttat 120
aatggttatg atcaagcctg gagaggtggt aaagatatgg nccagngcat ttatatggcn 180
nnatannnat ctgccnnaga anatgtatgg ccgatgnccg tntncgncac cntgnttnat 240
nannanatnc ntnnaccacn ctgnannntn tgtttcnnan cccncnccga ctttggat 298

<210> 729
<211> 245
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(245)
<223> n = A,T,C or G

<400> 729
gcttcatcca gccaaagagg tcgaagtggt tctggaaact ttggtggtgg tcgtggaggt 60
ggtttcggtg ggaatgacaa cttcggtcgt ggaggaaact tcagtggtcg tggtggcttt 120
ggtggcagcc gtggtggtgg tggatatggt ggcagtnggg atggctttcn tgnattngtt 180
ncttannnan gtatntntnn naannntgan tgttannntt ttttntnnct tttnttnant 240
tntnt 245

<210> 730
<211> 299
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(299)
<223> n = A,T,C or G

<400> 730
atttgaagca ccaaaccagg agaaagtttc agactatgaa atgaagttga tggatttaga 60
tgttgaacaa cttggaattc cagaacagga gtacagctgt gtagtaaaga tgccttctgg 120
ggaatttgca cgtatatgcc gagatctcag ccatattgga gatgctgctg gannnnnntg 180
ngcntgngac nggnnnnngn cntctgcatn tgcannatnn gctaagncna ctttnatggc 240
ntctttgncg ccttcctncc atagttncng accagctgtn atggtgtgga tgcctgcct 299

<210> 731
<211> 298
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(298)
<223> n = A,T,C or G

<400> 731
agacgcgctc ctgcgccggt atttctggga aaagccagct tctgtttgca ctggtcttca 60
caactcgtta cctggatctt tttacttcat ttatttcatt gtataacaca tctatgaagg 120
ttatctacct tgcctgctcc tatgccacag tgtacctgat ctacctgaaa tttaaggcaa 180
cctacgatgg aaatcatgat accttccgag tggagatttt ggcgtgtcct nncccatgnc 240
actgnatttt atanccttgt gactgtgtca tatanatanc tncntatata tatacata 298

<210> 732
<211> 300
<212> DNA
<213> Homo sapiens

<400> 732
gtttgaaatg aatgcaatat taatagatgc atatatacat gacatattgt ggttaatttt 60
aaaactactg tgccttaacg tgtttcttaa acttttgtag taaatgaaca tttgaaatcc 120
attttgataa acctgctgtt aatgtttttt ccccccttgt gaatgttttc taactttgtc 180
ttggtaattg caatttaact aggtgcggtg gctactaaag ttcgaaggca cgatatgcgt 240
gtccatcctt accaaaggat tgtgaccgca gaccgagccg ccaccggcaa ctaacctatg 300

<210> 733
<211> 267
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(267)
<223> n = A,T,C or G

<400> 733
cattaaactc ccacagtggt caccccactg ctgatgtaca gactttccag gcaaagcgcc 60
atattcatca acaccgtcag tcttactgta attataacac tggaggtcag ttagagggca 120
atgcagccac ttcctatcag aagcagactg acaaacccag ccactgtagc cagtttgtga 180
caccttcgtg gatgangaga cagttctctg tacccantct naaagctggt nnanaaccac 240
ngnntanntn agatatttgn gccaact 267

<210> 734
<211> 300
<212> DNA
<213> Homo sapiens

<400> 734
tcactgatgg tttgctgttt ggaagccatt ggcagggctg ccgtgcatgt ggctgtgagg 60
gctgcacagt cctgccaagg ggcttcctcc ttgtcacccc gaaccttgta atcgtgtgct 120
ggcgtggcag ccctggctaa gttaatcccc accgctttca gtggtagaaa gaattccctg 180
agtgggccag gctggtgccc tcctcctacc ctggcttttc tgagtgagct gcctggagcc 240
ctcatcccct ctcccaggct gggctggccc tgggcggggc cactgtgtgc tggcccactg 300

<210> 735
<211> 300
<212> DNA
<213> Homo sapiens

<400> 735
gtgactccaa gcccacgtcc tgcagcgaga ggcccctgac gctcttccac accgttcagt 60
caacagagaa acaggaacaa aggaacagca tcatcaactc cagtttggaa tctgtctcat 120
caaatccaaa cagcatcctt aattccagca gcagcttaca gcccaacatg aactccagtg 180
acccagacct ggctgtggtc aaacccaccc ggcccaactc actccccccg aatccaagcc 240
caacttcacc cctctcgcca tcttggccca tgttctcggc gccatccagc cctatgccca 300

<210> 736
<211> 281
<212> DNA
<213> Homo sapiens

<400> 736
ccgggctgaa cagcctcacc agcatgccat gtactacctc cgcttgctga tgactgaagt 60
ggcctggact aaagatgagt taaaagaagc tctggatgat gtaacccttc ctcgccttaa 120
ggccttcata cctcagctcc tgtcacggct gcacattgaa gcccttctcc atggaaacat 180
aacaaagcag gctgcattag gaattatgca gatggttgaa gacaccctca ttgaacatgc 240
tcataccaaa cctctccttc caagtcagct ggttcggtat a 281

<210> 737
<211> 295
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(295)
<223> n = A,T,C or G

<400> 737
gccacagcag cagccacagc cgcaggcgcc ccagcaacca cagcagcagc agcagcagca 60
gccaccacca tcacaacagc ctccaccaac acagcagcag ccacagcagt ttagaaatga 120
taacaggcag cagttcaatt caggtagaga ccaagaaagg tttggaagaa gatcttttgg 180
aaatagggtg gaaaatgatc gggaacggta tgggaaccgt aatgatgata gngatantag 240
tnaccgtgac nggatagagn gnggnagnag nnnttttttn ttntatnttt ttttg 295

<210> 738
<211> 300
<212> DNA
<213> Homo sapiens

<400> 738
cagacagcca aacagacctt ctgtttcatg aacaggcgtg ttatatctgc taacccatat 60
ctaggggca cctccaacgg ctatgcccac cccagcggga cggcacttca ttatgacgat 120
gtcccgtgca tcaacggctc gtgggaaccg gaagacggct ttcctgcttc ctgcagcaga 180
ggcttgggag aagaggtgct ttatgataac gcaggcctgt acgataactt gccgcctccg 240
cacatctttg cccgctactc tcctgctgac agaaaggcct ctaggctgtc tgctgacaag 300

<210> 739
<211> 300
<212> DNA
<213> Homo sapiens

<400> 739
tctgggccct aggcctccac aggagcaagt ggggcctctg atggtaaaag tcgaggagaa 60
agaagagaaa ggcaagtacc ttcctagcct ggagatgttc cgccagcgct tcaggcagtt 120
tgggtaccat gataccctg gaccccgaga ggccctgagc caactccggg tgctctgctg 180
tgagtggctg aggcccgaga tccacaccaa ggagcagatc ctggagctac tggtgctgga 240
gcagttcctg accatcctgc cccaggagct ccaggcctgg gtgcaggagc attgcccgga 300

<210> 740
<211> 299
<212> DNA
<213> Homo sapiens

<400> 740
ccgatacgag gcaaacgggg aagttaagca aagaccaatt cgcgttagct atgtatttca 60
ttcagcagaa ggtcagtaaa ggcatcgacc ctcctcaagt cctctcgccg gacatggtcc 120
cgccttcgga gagaggcacg cccggcccgg acagttcagg ctctctcggc tccggggagt 180
ttactggcgt gaaggagctt gattgacatc agtcaagaga ttgcccagtt acaaagagag 240
aaatattcac tggaacaaga cattcgagaa aaggaagagg caatcatgac agaaaacca 299

<210> 741
<211> 300
<212> DNA
<213> Homo sapiens

<400> 741
ggatagccca cctcatgttc ctgtacctga actctcaaca gacactgtta taaatgtgat 60
cactaatatg acaaccacca tccagagtct ctttccaaat ctccaggttt tccctgcgct 120
gggtaatcat gactattggc cacaggatca actgcctgta gtcaccagta aagtgtacaa 180
tgcagtagca aacctctgga aaccatggct agatgaagaa gctattagta ctttaaggaa 240

aggtggtttt tattcacaga aagttacaac taatccaaac cttaggatca tcagtctaaa 300

<210> 742
<211> 300
<212> DNA
<213> Homo sapiens

<400> 742
agttaatgcg ccagaggcag cagcagcaag aggctctccg gaggttgcag cagcagcagc 60
agcaacaaca gctggcgcag atgaagcttc cttcttcttc aacgtggggc cagcagtcca 120
atacaacagc atgtcagtcc caggccacgc tgtcgttggc tgaaatccaa aaactagagg 180
aagaacgaga acggcagctt cgagaagagc aaaggcgcca gcagagggag ttgatgaaag 240
ctcttcagca gcagcagcag cagcaacagc agaaactctc aggttggggg aatgtcagca 300

<210> 743
<211> 300
<212> DNA
<213> Homo sapiens

<400> 743
ggaacgaggc tttgctccat ggaagtgtct accagtctga gtacatagac ctctctgaaa 60
aaattaaaca gggagatagt agcctggagt ttggcatcaa acctggtgac ccacgcgttc 120
tgcagaagtt agatgacgat ggattgccgt ttataggagc aaaactgcag tacggagatc 180
cgtattacag ctacctcaac ctcaacaccg gggaaagttt tgtgatgtac tataagagta 240
aagaaaattg tgttgtggat aacatcaaag tgtgcagtaa tgacactggg agtggaaaat 300

<210> 744
<211> 300
<212> DNA
<213> Homo sapiens

<400> 744
ggcagtcatc aggacctcag tgtgatacag ccaattgtaa aagactgcaa agaggctgac 60
ttatccttgt ataatgaatt ccgattgtgg aaggatgagc ccacaatgga caggacgtgt 120
cctttcttag acaaaatcta ccaggaagat atctttccat gtttaacatt ctcaaaaatt 180
ggcttcagct gttctggagg ctgtggaaaa caatactcta agcattgaac cagtgggatt 240
acaacctatc cggtttgtga aagcttctgc agttgaatgc ggaggaccaa aaaaatgtgc 300

<210> 745
<211> 300
<212> DNA
<213> Homo sapiens

<400> 745
aaccaacact gatggcagca gttccggaaa tcatggatcg gatctacaaa aatgtcatga 60
ataaagtcag tgaaatgagt agttttcaac gtaatctgtt tattctggcc tataattaca 120
aaatggaaca gatttcaaaa ggacgtaata ctccactgtg cgacagcttt gttttccgga 180
aagttcgaag cttgctaggg ggaaatattc gtctcctgtt gtgtggtggc gctccacttt 240
ctgcaaccac gcagcgattc atgaacatct gtttctgctg tcctgttggt cagggatacg 300

<210> 746
<211> 300
<212> DNA
<213> Homo sapiens

<400> 746
ccgatacgag gcaaacgggg aagttaagca aagaccaatt cgcgttagct atgtatttca 60
ttcagcagaa ggtcagtaaa ggcatcgacc ctcctcaagt cctctcgccg gacatggtcc 120

cgccttcgga gagaggcacg cccggcccgg acagttcagg ctctctcggc tccggggagt 180
ttactggcgt gaaggagctt gatgacatca gtcaagagat tgcccagtta caaagagaga 240
aatattcact ggaacaagac attcgagaaa aggaagaggc aatcagacag aaaaccagcg 300

<210> 747
<211> 300
<212> DNA
<213> Homo sapiens

<400> 747
gggactcgtt accatcactc ccaccacagg ctccgatggg cgcccagatg cccgggtccg 60
cctcgaccgc agcaagatcc ggtctgtggg caagcctgct ctagagcgct tcctgcggag 120
acttcaggtg ctgaagtcca caggggatgt ggccggaggg cgggccctgt acgaggggta 180
tgcaacggtc actgatgcgc cccccgagtg cttcctcacc ctcagggaca cggtgctgct 240
gcgtaaggaa tctcggaagc tcattgttca gcccaacact cgccttgaag gctcagacgt 300

<210> 748
<211> 300
<212> DNA
<213> Homo sapiens

<400> 748
atacagcaga gcctagaaca agaagaagct gaacataagg ccacaaaggc acgactagca 60
gatgggaaat aagatctatg agtccatcga agaagccaaa tcagaagcca tgaaagaaat 120
ggagaagaag ctcttggagg aaagaacttt aaaacagaaa gtggagaacc tattgctaga 180
agctgagaaa agatgttctc tattagactg tgacctcaaa cagtcacagc agaaaataaa 240
tgagctcctt aaacagaaag atgtgctaaa tgaggatgtt agaaacctga cattaaaaat 300

<210> 749
<211> 300
<212> DNA
<213> Homo sapiens

<400> 749
gaaaccctat gtgtgtgata ggtgtgggaa ggccttcagg aacagctcag gcctcacagt 60
gcataaaagg atccacacag gtgagaaacc ctatgaatgt gatgagtgtg ggaaggcata 120
catctcacac tcaagtctta tcaatcataa aagtgtccac caggggaagc agccctataa 180
ttgtgagtgt gggaaatcct tcaattatag atcagtcctt gaccagcaca aaaggatcca 240
cactggaaag aagccatacc gatgtaatga gtgtggtaag gcttttaata tcagatcaca 300

<210> 750
<211> 300
<212> DNA
<213> Homo sapiens

<400> 750
ctattactcg gcttcttagc attcgcattc ctgctctctt acccccagcg tccacagagc 60
tggatgttcc tcacaatgtc caagtggctg cagtggttgg cattggcctt gtatatcaag 120
ggacagctca cagacatact gcagaagtcc tgttggctga gataggacgg cctcctggtc 180
ctgaaatgga atactgcact gacagagagt catactcctt agctgctggc ttggccctgg 240
gcatggtctg cttggggcat ggcagcaatt tgataggtat gtctgatctc aatgtgcctg 300

<210> 751
<211> 300
<212> DNA
<213> Homo sapiens

<400> 751

gaaattctgg tcctcccttc cgagcaacgt ttgcaacgat gagaggatgg ctgcaggaaa 60
cggcaatgag gatgactgtt ggaatgggaa aggcaaaagc aggtacctgt ttgcagtgac 120
aggaaatgga ttagccaacc agggcaacaa cccagaggtc caggttgaca ccagcaaacc 180
agacatactg atccttcgtc aaatcatggc tcttcgagtg atgaccagca agatgaagaa 240
tgcatacaat gggaacgacg tggacttctt tgatatcagt gatgaaagta gtggagaagg 300

<210> 752
<211> 292
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(292)
<223> n = A,T,C or G

<400> 752
aaattagctg ggtgtggtgg tgcacgcctg tgatcccagc tacttgagag gctgaggcag 60
gagaatcact tgaactcggg aggtggaagt tgcagtgagn tganatcgtg ccactgaang 120
atccnnntga gcnacanaat gagatnccat cncaaanttc agtacctana tccttanntt 180
agagattgtn ttganacntn aanntcctgg accttatctg nngctcccct angctngngt 240
nnctntnann ttntttntan tnngcntntt gctnanatna tantccagtg ca 292

<210> 753
<211> 290
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(290)
<223> n = A,T,C or G

<400> 753
aattccgttg ctgtcgggtt tcaccatgtt ggccacgctg gtctcgaact cctgacctca 60
ggtgatccac cctcctcggc ctcccaaagt gttggtacta caggtgtgag ccactgcgcc 120
tggctggatc taacttttt tcctccttgg tttactcgct cactttgatg gattatgttg 180
tcttgtgttt tcccnntatt agaantcang ggaaatgant nttttganaa ctttcatatg 240
tggctgantt nttgatcnat cntttaannn anatnagnat nnttctgact 290

<210> 754
<211> 259
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(259)
<223> n = A,T,C or G

<400> 754
aattccgttg ctgtcgctga ttaatgcact ttgaagttct ctggaattaa ttattttaac 60
ttggcctagc ttcgactgtc aaggtggctg ttataaattt gactcnattg tnagnggatg 120
aancctaagt cagctnanga ctnnatcata tntttnccnt gangnctgtc tgctngctca 180
tgtatnactt nctntatcna nttgacngnt nnnnattctg anntgntggt ntgtactnta 240
cnacaatcag agctgccct 259

<210> 755

<211> 257
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(257)
<223> n = A,T,C or G

<400> 755
aattccgttg ctgtcgcaaa ctcctaggct caagcggtcc tcccactgtg gcctcccaaa 60
gtgctgggtg gtgtgagcca ccgtgcctgg ccagttaatt tnttttancg tanntntttt 120
tnnttctnat atttatcngn tgcnnnctan nntnanatta nntntttnan atnnncnccn 180
ttcnnnnnna ccngtgnntt ngcatttnan nttttctaan tatnttaanc ntgatnattt 240
tnctgtnaan ttttnna 257

<210> 756
<211> 234
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(234)
<223> n = A,T,C or G

<400> 756
aattccgttg ctgtcgaaaa ggcttataac ttagggttta gagaacagtt atgaggcatt 60
ctcattgcta aatcatgctc tggggaagtc tgccatttaa tatgtcatag actagggcta 120
cctagttgtt actgatggtg tttgagctga agaaaatgcg tgtgtgtttc tgtaaggtaa 180
gaggagcttg acattcacta aggagataat gaggcattga caggctgnnn tgna 234

<210> 757
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 757
ctactccttc tttttgcagg catcccattt nattcgaatt ccgttgctgt cgctttataa 60
tgcaatttcc agacccttta tcatccttgc tcttgatagc tgtttgtcag catccctctt 120
aaaatgtggt tcccaggagt ggacatgctg tgtcaacata tacactgaga cagttgacct 180
ctttgttctg ggccgagctc attaacttag ggactggggg tccagagtgt ctgtcaagtc 240
cctgaaatta actgtaaatt tttgtatgtc tagacatatt tatgggagga aaacttattg 300

<210> 758
<211> 300
<212> DNA
<213> Homo sapiens

<400> 758
aattccgttg ctgtcggcgg tataaaagta gctgtgttgg atggtaaaca cacaggcccg 60
attacctgtt tgcaattcaa ccccaagttc atgacttttg ccagtgcgtg ttccaacatg 120
gccttttggt tgcccaccat tgatgactga ccctgttgct gcttggctat ttctgtatag 180

tgagggcggc cagcaggaag aaactcagag ggaactgaga taatagtggg attggatcat 240
ttgactgggc tggagaacat ccttttacat ggccttccca tggatgtgct gtacatctgc 300

<210> 759
<211> 300
<212> DNA
<213> Homo sapiens

<400> 759
cgttgctgtc gggaatccct gccaaggtaa cttgacagtc ggcctaattc tgttgacaga 60
aaatgaagcc ttgacggttc taattatcca aaagtgggtt ttcatcagga cgtacagtca 120
gagtgtgagt gcattctaat gaaaacttct tcagccctca ttcaattgca tacaaaagcc 180
ctcaaagaga acatacagta cagcagtttt gtaaaaggca acaatacgat ttgtacagac 240
cccgacactc caatcctata gatcaccacg ttgctcctct gtccccagca ccccttattt 300

<210> 760
<211> 300
<212> DNA
<213> Homo sapiens

<400> 760
aattccgttg ctgtcgaaat ttgtttagct tctcaattca tgttccttag aggatggtaa 60
attaaagtta gcattcctgg acagagcctt tcatacattg aagacaaccc ggtgagtctc 120
aaggggagag gtgtgggaga gatgaaagga tttctccagg cctgttcggc agcatggact 180
gttcttttag gtaattaagg gagaccatag aagacaattg tgtgagtcca tttacctttc 240
acttgggggt cttaagtctt tggttgggct tctttaaccc tgtgtgtcac ccacggactc 300

<210> 761
<211> 300
<212> DNA
<213> Homo sapiens

<400> 761
aattccgttg ctgtcgctcc atttgacttg caaaccagcc ttttctaata ggctaatatt 60
gctgaggcct taaaggaaat ggacaaaaat tatccagaag gggtactttt ccattgtatc 120
tttctaataa gggtttaaaa tggtactatt atggtattgt acttgggctt taacatcaat 180
gttgctttga tgttgttgga tataaatagg aatttttaca cattactatt gtgaatggtg 240
aatgttcatg tatgacctac ttgtaattaa cttgagttgt agtccacagc ctcaggacaa 300

<210> 762
<211> 293
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(293)
<223> n = A,T,C or G

<400> 762
aattccgttg ctgtcgaaac gcagtaatgc atgaagagtg ccgggcatgg tgctgagccc 60
tgttcctgct ctccctccag ggctgctgag ctagaattcc cacctatgtc tttccaaggg 120
actgttcacg gcttgggact tggtctctgt cctgccccat cctcgtcact tgagaccacg 180
agccctggtt cagncaccna gngaagccac ccatcggctc atgaatcntn aanncttnan 240
gcancnnatg cctngcngcn tggaatnanc ttanngnttt gacctgatgc acc 293

<210> 763
<211> 300

<212> DNA
<213> Homo sapiens

<400> 763
aattccgttg ctgtcggaga gacctagcaa tgtgaagtaa caaagatcag gcagctgcaa 60
gtgactcctg aatcttgagt ccagggcttt cgccactaca gtacagtggt tttcttttct 120
ttggtcgggg agagtgggct ggaatggaga gtgaggccca caaattacct gcagagacgt 180
ggaggcgtga gggagaacat gcttgttaaa tatgcaggta gattaggaga caccaaacag 240
agattcagac acagtaaggc tgggatgaga tcctcgaagc tgtgttttaa caaactccac 300

<210> 764
<211> 300
<212> DNA
<213> Homo sapiens

<400> 764
aattccgttg ctgtcgcttg tcctgttgtg atcagagttt cacaaagtgc tctcagtgcc 60
taaggcaaac tggcacattc tctatgaaaa agacaattat tgttcttggt caggtggcca 120
gttggcccag ttgattttgg agcatagtgt taataaaggt tagtctcttc agatatgagc 180
cagttgactt ggctatataa atagctgctg tcacgggcag gtcagaggta tgtgtgtgga 240
tagactggat ctgtaaccac caatcagaaa tcaatcagca atcatttact gagcatttgc 300

<210> 765
<211> 300
<212> DNA
<213> Homo sapiens

<400> 765
aattccgttg ctgtcggctc tacgatggag tcaaggccag attgggctct atttccacaa 60
ccccctaagg agtagctcac cagtgtccta agtggctgtt tcctgggtga acatagtaca 120
tatttgctgt cacgctggga ataccagtga gaatctcatg catggacaga ggacatgatc 180
atctttatgt ttgtaacctc gggcctggaa cagtctcctt ttgtgttcac ttgattctga 240
aaggtcagtg ttttagaaca ggcttttcac atggttcacc aggaggccag ttagatcctg 300

<210> 766
<211> 265
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(265)
<223> n = A,T,C or G

<400> 766
aattccgttg ctgtcggtga gaaagtatgc cactctttaa ttagctctta taattggagg 60
gttattccct gagtagagat taaaagctgg ggaaatgttg aatcctacaa aattcttgtg 120
ttgccgtcac tccaggttgc tacaacactt tagatattcg tatgagggag tcatatttgt 180
tttacactaa cnggaaacta tgacaataan tatatgagta ncnncattat antncttnan 240
aatccaccaa gtgagnnnct gctat 265

<210> 767
<211> 296
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(296)
<223> n = A,T,C or G

<400> 767
aattccgttg ctgtcggtta ctgagttagt actgtataat gtagtgagta gtgatgatga 60
gcatggattg attattggct tatcttcttt gtttttttgc ttttgatttt ctttattttn 120
ttttganang cattgnccta ntgaacntnn aaactgaatt aaggncccccc nnnannnnca 180
cttncnntnt nccnngggaa aangcnccga acccccatnt naaanncacc agctccaaca 240
cacgantanc nttnatgagg anttggctna cnatgagaan ccccgaaaga agtaac 296

<210> 768
<211> 267
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(267)
<223> n = A,T,C or G

<400> 768
aattccgttg ctgtcgggta atttgacact gctgctggca gtagttctct attcaccatt 60
ttaaagccca ttcaggttct ctcttcctga aaagaactga ttgctgtgtt tacatgaaat 120
gacattggag tcagatggtc tgttttaaag atttctatga cagcctattt tcctgagttg 180
nananattgg aggttccctg nntcnnntaa aactgaanaa cgcnnngnaa naggcnatga 240
ncgatctnct gcnnagggcn tttgatg 267

<210> 769
<211> 269
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(269)
<223> n = A,T,C or G

<400> 769
aatttcgttg ctgtcggacc cagcaaattt tttgtatttt tagtagagat ggggtttcac 60
catgttggtc aggctggggt cttaccaccc ccttgaaagc ctaccncccn ccncggcnnc 120
tnnaanagcc nnnagtntan gnnagtncna ccnnaccnnn nctanncncn gtccnnntcc 180
atgnggncnt atacccatnc atnctacncc atctctncnc ccnnncagtc atcnctaccn 240
tntctcacaa actccnccnn tncttnang 269

<210> 770
<211> 300
<212> DNA
<213> Homo sapiens

<400> 770
aattccgttg ctgtcgggtt tctgtagagg aatgtcttcc aggtgggaga agaatggctt 60
tcatttttaa caaccacaca ctataaacaa agcatcccga gagcacgggt acctagcaga 120
agaagaacga agtagccagg aaacaagttg cttttcagca tccccactga aatgataggg 180
tactttagaa agcgggtggt ggcattcttt ccacaagtac agcaagtgtc actgtggggt 240
cttaattctc tcgaatctgc ctttagaagg cagaaggcag aatgatcagc tctgctctga 300

<210> 771
<211> 300

<212> DNA
<213> Homo sapiens

<400> 771
cattgatgtg caaataatga gattccctat ctccttttag acctgggacg gcaaaaggga 60
agggaaggaa acttagcaga gtgctattga ctatagattc acatattagc aacaaaatcc 120
cgtaattctt ttggccaaca gcagctattt tggggagcag ctgtggctgt tacataaata 180
gagatgcagc caaaatttta ggccttttat cctgcttcta gcagaaaaat gcagggagag 240
tcaagtagtc tagggtttca ggttgcctcc cctcatatgg tttttggcca agtgactaaa 300

<210> 772
<211> 206
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(206)
<223> n = A,T,C or G

<400> 772
aattccggtg ctgtcgctga ttatccgaat gagtaagcag atgtctcact atgtggatgg 60
tccgttacct gggatattct gggntnctgt agntgaacta tgacagagga accagantca 120
taatgangcn tctgatnagg ngaggcgtat ngagannatn nctccnnccn ttanctncct 180
nacantntaa attnntaata tacatt 206

<210> 773
<211> 300
<212> DNA
<213> Homo sapiens

<400> 773
aattccgttg ctgtcgaaaa aggtcattcc cagtcttttt agactcctgt tttccaggga 60
gacatcctct gatcctttga gcttcatgat gaatcacctg aattctgtag gcgacacatg 120
tggactagag cagattgata tgtttatact tggatactcc cttgaagtaa agataaaagt 180
gttcagactg ttcaagttta actccagaga ctttgaagtc tgctacccag aggagcctct 240
cagggactgg ccggagatct ccctgctgac cgagaacgac cgcactacca cattccagtc 300

<210> 774
<211> 300
<212> DNA
<213> Homo sapiens

<400> 774
aattccgttg ctgtcggtca cttatgccta taagcgggca tacaacaggg gcacaataaa 60
tgtttgttaa gtgaatgagg gctttgagaa ctagatggga tcttagtcca actctcttat 120
ttaacgaggt ccacagaggt tctgcgattg tctaagaaag aaggctgtgt tcatggcctt 180
tgttgtttac gtggccctgt gattctcttg gctccgtgaa agtcctgatg cagacattcc 240
ggccatctag aaaggcatgc agacaagcca tccagctggc atgatcctga gtccagcttt 300

<210> 775
<211> 300
<212> DNA
<213> Homo sapiens

<400> 775
cagagcgtgg caggagctct tggctggccc tgctgggagt ttcgtctcct agcaggtacg 60
gaaagccatg agggatgctg ctctcagcaa caattctgcc ttaacagaga aggcagacca 120

gtcctcagga cctggaggga ggtcatgttg tggacttcat agctggaaaa gaacactgga 180
ttttaggaac acggtcgcag aaagtttaga ctaagaagta gattcttctg ggttggagca 240
tatttccaga agagatgata aagttacaag gatgataaga tggtaataga tgccttgatt 300

<210> 776
<211> 292
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(292)
<223> n = A,T,C or G

<400> 776
aattccgttg ctgtcgattc attttgtata atcatgtatc ctcttgtgtg ctggtagaga 60
ttttaatcct gatttttcca taaaacatga gtattaagaa ataattcctg gtttggagaa 120
actggataaa tcacccttt aaggaagaaa cactggaaat ttctgctaac accaagatat 180
tnaagagtgg acatantagg tgcntnancn cattaattga nngaatgaan gnttnnaaan 240
actntcanan cncntatnct nnnctaannc tnttcnannn acnnnatttt tt 292

<210> 777
<211> 299
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(299)
<223> n = A,T,C or G

<400> 777
aattccgttg ctgtcgggga agtgggccaa aggaatcagc tttaaaagcc ctaaatagtg 60
acatgccctt atatattctg tcatcctctc aaggtagagg gctgaaacct cattatgctc 120
aacttatgag gctttttgtt gtggttcctg atgctccttt gcagataata ctaatgcctc 180
aggttcagcc aggcccacca ccatgtccgg tattctaccc agaaaaacaa gaaatcaccc 240
ttccacctga tggcctttgg gttttgagat tccttatgcn tatgtgactg anagaggac 299

<210> 778
<211> 293
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(293)
<223> n = A,T,C or G

<400> 778
aataccgttg ctgtcgaaga tgtaaagcca cattgattca ctcagccaac cagatcaatg 60
gctcatttgc actcaattta attcatggaa agacgaaagc agagacagaa caagccaaaa 120
gtgagtttcc cttttgactt attatcactt ccacatntnn ctggggagca gattgtncag 180
agagagaaac ngnnagcnan tgtgtcaagn gttancnncn ggangaangc ctcaaaacga 240
cntaangnng nnnaagcagc nngaancagc tcnctgtggt gaacncagaa gtg 293

<210> 779
<211> 300
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 779
aattccgttg ctgtcgcgag gctccatgat gcagcttacg tcggggacct ccagaccctc 60
aggagcctat tgcaagagga gagctaccgg agccgcatca acgagaagtc tgtttggtgc 120
tgngtctgnc tctactgcat acnggtgcaa ntntcggntn nttttngnnn anggtngctt 180
nngtnnnntt gtantttnnn ttatntcttc tnnnttnctc tttaatatcn tnttnntntn 240
gtnctnantt ntttnnctna anancncatn tnantttncn cnngtnttct ntnctttctt 300

<210> 780
<211> 300
<212> DNA
<213> Homo sapiens

<400> 780
aattccgttg ctgtcggttt gttacagaag gagaaagtgg cagttgaagc atttcagatt 60
tgctgccttc tcctacctcc tgaaaatagg agaaagttac agctattgat gaggatgatg 120
gcaaggattt gcttaaacaa agagatgcca cccctgtgtg atggctttgg tacccgaaca 180
ctgatggttc agacattttc ccgttgcatc ttgtgttcca aggatgaagt ggacttggat 240
gagttattag ctgctagatt ggtaaccgtt tctgatggac aattaccagg aaattctgaa 300

<210> 781
<211> 280
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(280)
<223> n = A,T,C or G

<400> 781
aattccgttg ctgtcggcat atacagcaaa ttaaaggacc cagaaagctg gatccaatag 60
tgacctgggt acaccaatcg gaatattgaa tttggggaag tcaagggctg ggatcaagag 120
gtggattgga actaatgcca tgtaggatgg tatgactagg cancantgtg ttgttntctg 180
tntatatant ggtgtcctnc ctntcttgtn tttntccttg gtgntntnnt ncnactanat 240
agtgactcct nagtcgggnn cgctgcccct gttgaatttt 280

<210> 782
<211> 262
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(262)
<223> n = A,T,C or G

<400> 782
aattccgttg ctgtcgttaa gttgttggct cagtgtatgc tggggacaaa gaaaaactaa 60
caagccgacc tgcctttatg ataaattcta gtgtgcttac aagggatgac ttcctgaggt 120
gtgatctgnc caccttgaag aactccacan ntgannaagg ggagctgtga tancgagaat 180
tgggnnnnnn catnnggttn nancaanggg nnntnangnt naaanatccc tgantnaaat 240

09345202 - 05-14-96

gnncnnnnnn naaaaaattn tc 262

<210> 783
<211> 299
<212> DNA
<213> Homo sapiens

<400> 783
aattccgttg ctgtcgctca aacaaaaaag ggacatttat gtgcagttgg gacagcaaac 60
caagtcctgg acgtaaaatc gaataaaaga cacattcata tccaatagag accacacctg 120
tattcatatg ggaacaatct ggaatagtga tatcctcaag gggtaaaaaa tatataaata 180
tatatatata tgacaaaagg tatgaaatgc aaaaaagaaa aaaaaaggtg acagccgcag 240
ttgatgctgt gatggccgtg aagtgtcctg ggcctcccga ggcctctgac aaataaaca 299

<210> 784
<211> 261
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(261)
<223> n = A,T,C or G

<400> 784
aattccgttg ctgtcggatt tgtgtcttga ccaggggcca gatacagaga atgtccccat 60
catgtacatc tgccatggga tgacgcctca gaacgtgtac tacacgagca gtcagcagat 120
ccatgaggcc attctgngcc ncacngnnna tgatnnnnac accngataca ncatgntgta 180
gtgccctnct acagacantg ncnatcagtg nccncttann ngacnccaan nnanttnccn 240
nngtgtccct ttannnacaa g 261

<210> 785
<211> 300
<212> DNA
<213> Homo sapiens

<400> 785
aattccgttg ctgtcgcttg tttttcagac ctcgaactat ggagaacagg aattgaagcc 60
caggtggatg gtccaatgcc agaccatgga tcatcagcct gggacaccaa agtgccacac 120
tctcagagtg aggatgattt ttaggaagtc agctctacca ccctccatac caggaagtgc 180
aagcagactc atctcatgat cgagcagaat atgagaatcc ttttgaagtt ataagtctgt 240
atggatttgt agcacatgtt catacaatta gatgggacca aatcccttaa tttattaaga 300

<210> 786
<211> 262
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(262)
<223> n = A,T,C or G

<400> 786
aattcgttgc tgtcggaagt tattgctttc caggggtcac tctggcttcg actccgtcgc 60
tctcaattcg tcaccaggag gaagacggag ctggctgccc agcccaaagg cccatgaggg 120
gatgcagtta tgggctctgt cgccgtggat tgttattttg tgtcagtann taatncntnt 180
tgngcnnaca tgngnaagaa ncgntcnntg gnaananctg ttccnntcga agattncntt 240

gagctnnnaa nccnttgnnt nt 262

<210> 787
<211> 300
<212> DNA
<213> Homo sapiens

<400> 787
aattccgttg ctgtcgcaag ggtcttctct ttcactcaag ctgccattct cctagccatt 60
tgtggcttga caccccaaga gctttattct ctcttttcat tgcttgagtc caccaagata 120
ccaagttagg tcacctttta ttttaaatca gccccaacga gggtcccctc cttttcactt 180
ttactcctct gctctaatcc aggtcttcat aaatttttgg gcttttagct gatttccctg 240
cctgcctctt tcaaagccct ttacccactg cggaatcata tttaccatgc aggactgcca 300

<210> 788
<211> 285
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(285)
<223> n = A,T,C or G

<400> 788
gacaacttca aaaacaaatg agaagcccaa ggaactgtga gcaattaaaa gcaaaccgcg 60
acacccttg tctccaccac acatagtgta ctttggaagc acaacgtcca ggctggtacc 120
gcagcgccat gcccattcct nttntnattc nttggacact tcaatttcnt nnatannntt 180
attanntnnt gntttnattt tanncnntct gntngctntt taaatttnnn ntntcntann 240
ngttntnnan ntnananata ctntntnttn nactnntatt ttaca 285

<210> 789
<211> 266
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(266)
<223> n = A,T,C or G

<400> 789
gtccgacgcg cctggctagg agcgccgacc gcagggcctc tacggacctt actagaaaaa 60
tgaaacctga tgaaactcct atgtttgacc caagtctact caaagaagtg gactggagtc 120
agaatacagc tacattgtct ccagccattt ccccaacaca tcctggagaa ggnttggcnt 180
ngagnnctct nngaangnnn nnncnnngnn tgggannntnn actgtctntt ncattngtnn 240
tntctttgan tttctattnn gncacg 266

<210> 790
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 790
cctggcantt tnccananat ctctaantnc gaagctgtcg aaagaccaca agtttcagag 60
catggagaca ttcctgctga atcgccttct cacctcctcg gcaattgctc attctagggt 120
tgggcatcat agttggtcag tcttaattcc catgccaaag gacaaacagg tgtgacattt 180
ggatagatga atactgggat tggctctgga gcatgtgttt tgagttgaac cttgcagtcc 240
tttctctacg cccgtggatt ttgtggaaac actttgcaat ctctttgtct ttttttttt 300

<210> 791
<211> 292
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(292)
<223> n = A,T,C or G

<400> 791
aattccgttg ctgtcggccg ctctctgtaa gtgtttgctt gtgcaaaagg gaatagtgcc 60
gtggaggtgt gtgtgtccat ggcatccgga gcgaggcgac tgtcctgcgt gggtagccct 120
aggacgcaga gtgaggccnc canccanagt cagacccttt gnacctggna catngtanca 180
ttanacactt tatatacctg agccnatnag ccntgtncct caancancan ccctgacttg 240
gatatgnnga anaggacnan tttggngcnt cnnatactnn tttngcttac tc 292

<210> 792
<211> 300
<212> DNA
<213> Homo sapiens

<400> 792
aattccgttg ctgtcgctca ctacctttgg accagccagg gctgtttata agtgctaaag 60
cccgaacaaa ccaaagagtt ggggagaaag gcctaactaa cagctgagtg attgtctaac 120
agactgtctt ttaggccagt gactctggca tagggcaggc tgcatagcca gcaacatccc 180
ttaccacagg tctagtgatt cctctgggct caaatgtgga ggctacacac ccactcctta 240
gcagaggttg gcctggcacc tgctggtgcc ccaagaacta tggcatggtt agaccctggc 300

<210> 793
<211> 300
<212> DNA
<213> Homo sapiens

<400> 793
aattccgttg ctgtcgtcca ttctttggac acccaaactc agccccctta aagagtggaa 60
acaaaacaag ctgcactttg cagaggtggt aaatgaaagg actcttggcc taacttcaag 120
agtcccctgg ggtttgaagg ggcaaagttt gagtctggat ggaacctggg ctgaggtacc 180
ttaagcttcc ccccgcaaca ccccagcctc agggattgcg ggagttgtca gagatctgat 240
ggatccgaaa ggggcagggc caggggatta ggtttggggt cagaggttct gttttccagg 300

<210> 794
<211> 260
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(260)
<223> n = A,T,C or G

<400> 794
aattccgttg ctgtcgcggg gaagtggaag cgccgggccc tgctgcgggg gggaggtgtg 60
ggaggtttta cnanatggga cttgggtata tttnttatta aantnattat nantnttnta 120
tnactatntt ntnatnnnat atnttttant ntnttcctta cnnttnttnc tnttaaattt 180
ntttnctata ctntntttan ntntgntatn tatttttttn tatnnttnta nttatattaa 240
tntnttttac atatnttaaa 260

<210> 795
<211> 300
<212> DNA
<213> Homo sapiens

<400> 795
aattccgttg ctgtcgcctg tatatcccct aaactcctca cctatatcac aaaaacctgc 60
caaggcagaa tacattccct tgggaaagga gctttggcgg gcaagcaggc atcgggtccc 120
atctgacacc agcgtgatcg ccacaggagc catctaggaa aggggaatgg aaactgagat 180
gctggcactt tgggccctgc caatgagcta aagcagtgta taattaagga attgcacagg 240
cttccttccc caggacaaag cagcgcacag tcttcttgga ttactgtcct cttacagcaa 300

<210> 796
<211> 300
<212> DNA
<213> Homo sapiens

<400> 796
aattccgttg ctgtcgcttg ggtataacct aacccaaaga aaagtggcat gtgctgaaac 60
tgagtgtcac agagctgtga ggttgggtct ttgggattag cttcattttc cagggtttgc 120
cctttgccct tcaaccaaag gacaaagtca tgttaacagc tgctactaag tctatatgcc 180
cattcgttca taccacaaaa caggcatctg actcctctgg tcaccatgga atcaaggcac 240
tgtcaagtgg tgggggggtcc acaggcacag tgggcttcac tctggaacag gattactggg 300

<210> 797
<211> 300
<212> DNA
<213> Homo sapiens

<400> 797
aattccgttg ctgtcggcca ggggaggtca aggctgcagt ggactgagat tgcaccactg 60
cactccagcc tggataacag agtaaaatct tgtctttaaa aaaaaaagta tgactcagca 120
gatggaggag cctcccattt ggtctttcct ttccgtttgg tttgtcttcc aaatctcctc 180
cagcctgctg tgtattcctc agcaactcac ttcaagcacc agcctgatcc tgtagatgaa 240
ccctgcataa ctttctccgt caacaaacac ctgaggatct gctgtgtccc cagtactagg 300

<210> 798
<211> 300
<212> DNA
<213> Homo sapiens

<400> 798
aattccgttg ctgtcgactt ttcagaatgt tcatgatttt aatgagctga aagatagaga 60
ttcagaaaca cgagttgatc tgaaatttat gtacctggat cctccaagag atcatcacac 120
cttagagatt cagcagcaag ccctgctaag agagcagcag aagaggctga acagaataaa 180
aatgcaggaa ggtgccaaag ttgacttaga tgccatccca agtgctaaag tacgagagca 240
aagaatgccc agagatgaca ctagtgattt cttgaaaaac tcattattgg aatctgatag 300

<210> 799
<211> 259
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(259)
<223> n = A,T,C or G

<400> 799
aattccgttg ctgtcgggaa agtagcaaaa gagtaggaga tggggaaata gggatgggga 60
gagcaagccc cgcatgtcca tggcgagtca ggtggggagc acgggtggaa gggccngctg 120
tnnactgatn gnctnncctg tgtnttcnag tgaganntcn gtantcnggg tgcactccnt 180
gctgtacnct cnnccctatn ctgngnctac tctgatnatg antcnaccct tatnngnctn 240
nctgctcntt tgctctcng 259

<210> 800
<211> 300
<212> DNA
<213> Homo sapiens

<400> 800
atttttagtt tttcgagtac accgtcccag aaagaaatac gctataacac ccaccagcct 60
gagggctgca ttgctgtgga agcaggaatg gataccctta tcatgcatct ctgcgaagaa 120
actgccccag agaatcagaa gttcatcttg caggaggatg gatctttatt tcacgaacag 180
tccaagaaat gtgtccaggc tgcgaggaag gagtcgagtg acagtttcgt tccactctta 240
cgagactgca ccaactcgga tcatcagaaa tggttcttca aagagcgcat gttatgaagc 300

<210> 801
<211> 300
<212> DNA
<213> Homo sapiens

<400> 801
aattccgttg ctgtcggcca agggctccac tccagtccct tgcctgtcaa tcagaagatg 60
ctcagaggag aggcttctgc atcatcttca tcttgacatt ccaagagcag taccgggtca 120
gcatccacaa aagcacactg taaaactggg aactgtgtct tacccttcct gagtgaaaag 180
ggaaagttta tgcctcagcc tgaggcaggt gggccccttg ccatgcacac ctttgtcctg 240
cagccaggga tccacttggc tgggctcaac ccttccccgt cagggacgac tgcacagaaa 300

<210> 802
<211> 300
<212> DNA
<213> Homo sapiens

<400> 802
ggttcctgcc ggctgtattc gggccttgga ctggactgag aagctacggt gcggatccag 60
ctggggtgga gaccatccat ggaaaagaac ccccctgatg atacgggccc cgtgcacgtg 120
cctttggggc atattgtggc caatgagaaa tggcgcgggt cacagctggc gcaggagatg 180
caagatgctg cattctttat gtcaccgaag ctgatttggt ggcaggaaat ggctacagaa 240
agaggcttgt tcgggttaga aattccaata atcttaaagg aattgtagtc gttgaaaaaa 300

<210> 803
<211> 300
<212> DNA
<213> Homo sapiens

<400> 803
aattccgttg ctgtcggctg gtggcaccct cccctgggcc ggaagactgg gaattcctgc 60
taagtgtggc ttctagagtg tttgtgtgta ccccgcttct gactgcctag ggcgagtggg 120

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catcctgtca tcatctccac tgtcccaagc agtcactagg tggcggccgg gccagctgga 180
acccagccca tcctctcagg cagagcaggg tggtccgggc acactgggcc tgcctctcca 240
gcctcaggat gctcttgttt attctgggct cagaccctcc tcttgtacgt ctcatcacag 300

<210> 804
<211> 300
<212> DNA
<213> Homo sapiens

<400> 804
aattccgttg ctgtcgagag gtcagtgggt ttgccgccgt gcatatcacg cccttccccc 60
acgttccccc taccccagga cctccttggg acttacacgg aggcccgagg tcagaaagca 120
cttctggtcc aagctgaggc aaggccgccc cccatccccc acccccctgcc tgcctcgcca 180
ctcaacaccc tggcgttccg aacaccctcc atggccaaag tgaccactcc ctgtctgctg 240
aagtgttttc atccccatgc tcacatggac acccagccac cagcgtggtc tcaggcacat 300

<210> 805
<211> 300
<212> DNA
<213> Homo sapiens

<400> 805
aattccgttg ctgtcggccc agggcctagc aatgtatctt caggaaaacg gcattgactg 60
ccccaaatgc aagttctcgt acgccctggc ccgaggaggc tgcatgcact ttcactgtac 120
ccagtgccgc caccagttct gcagcggctg ctacaatgcc ttttacgcca agaataaatg 180
tccagagcct aactgcaggg tgaaaaagtc cctgcacggc caccaccctc gagactgcct 240
cttctacctg cgggactgga ctgctctccg gcttcagaag ctgctacagg acaataacgt 300

<210> 806
<211> 300
<212> DNA
<213> Homo sapiens

<400> 806
aattccgttg ctgtcggcct gcccgaggtg cgggccgcgg gtcagggccg cgcatggcat 60
ccccgacctg gcccaaaagc tccatttcta tgaccgctgg gctccggact acgaccagtg 120
ctgggattat aggcatgagc cactgtgcct ggtcctgctc catgaatgta gagaagagag 180
gcatttccaa gaccaggtga ggaatccaca tggggtgcac cctaaggcag aaaggagagg 240
ggctgagcat gagaacgagg aggcgctggc tggctgcagg acaggaaatc atagaggtgg 300

<210> 807
<211> 300
<212> DNA
<213> Homo sapiens

<400> 807
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tgggacaaga tgggggcagg ggcctcacct ccctgcagag gtccggccag gtctccttgt 120
ccctggacaa tctcctgagc ctctctgctt ggtggagcag gcacctgtgt gcagaattcc 180
cactgtggcc agcacgagga agtcttttct agtgaaaatg tgtcttgtgg tcaggaataa 240
ttatcctttc ccctgtagcc accaaggagg gcaaatagag aaaggtaacc taattgaagg 300

<210> 808
<211> 300
<212> DNA
<213> Homo sapiens

<400> 808

aattccgttg ctgtcggaag accgccagcc tgatagccaa cagttgtaaa gcagtctctg 60
ttctaggatg tcccgaccca gtggtgcatg agatcgccta tcagtacgga aaaaatgtag 120
gaatagcttt tcagctaata gatgatgtat tggacttcac ctcgcgttct gaccagatgg 180
gcaaaccaac atcagctgat ctgaagctcg ggttagccac tggtcctgtc ctgtttgcct 240
gtcagcagtt cccagaaatg aatgctatga tcatgcgacg gttcagtttg cctggagatg 300

<210> 809
<211> 300
<212> DNA
<213> Homo sapiens

<400> 809
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tacatgaagg ttggttttca atttgaacgt ctagaaagat actcatttct aatacctatg 120
cactgtagtt tcaggtttac ttgcagacac cctggtaggg ttaagaggag gatatttcca 180
agttatttta aattgagttt acttttaact ggggttcttg actctagtgt aattgctcca 240
acaactacgt agaagtcaaa atgagtgact ttagtgaagc ttctgtactt tacaatacat 300

<210> 810
<211> 300
<212> DNA
<213> Homo sapiens

<400> 810
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agcaaacgtc cagaaaagtg tttataaagc aaatgtattg cctctgttta gagatttgcc 120
cagctgttcc agttttaaac attaaaaaat aaactcagtt gccatggcaa aaatagaatg 180
cacagcttac ttataatttt ccatgcagta tagcataagg atttttgact tgaaacaacc 240
aaagaactcc tccttaacga gacagttcaa attcctgaat tagtatttct tgactatcaa 300

<210> 811
<211> 300
<212> DNA
<213> Homo sapiens

<400> 811
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gtcattttgt caggctggtt ataagccgga ggcagcttta accagccccc agggatgatt 120
gtgaaggagg cccctcccct tgtgaggagg gggcactcct ctccagcccc tggtaccaca 180
gtcctcacga tggtgcagtg atttctagcc aggcgtcaag atgcgctgct ttccctctcc 240
tgctcatccc ttgttggcag ctccagttca ggccgtggag ggacgtgatg ctgggctgtg 300

<210> 812
<211> 300
<212> DNA
<213> Homo sapiens

<400> 812
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gagaccttaa actgttcatc aaagtaagcc ctaatagaaa ggcagagcaa taagagcaca 120
tgctgatgta attctccttt gcaaggagaa tttcatttag ttccattgtc atatagacca 180
gtgtcacccc ttttccctga ttcctactga taacaactat ttttcagtgc ctttgaagat 240
actgaccctt ctacctgccc agctgttttt aaacagctgg agcgtgatga tggtcataaa 300

<210> 813
<211> 300
<212> DNA
<213> Homo sapiens

<400> 813
gctagatttt cccatggtgc cgttcctttg cagacagagg attcggagag ccctaggaga 60
caggcctgca ggaatgtgct tcattagctg cagtgcgctg gtgctgccta acagaacgca 120
cactggctgt cactaggaag cgccatacgg ttgctatcac ccaacatggt gaaagggtga 180
tggatttcac tgtgaatatg ccaaggacac ctctaaactt cccccatgtc agtcagatga 240
agttactact atatttcacc accctgcagg taactgaaac tcaattaccg ctgccgctca 300

<210> 814
<211> 300
<212> DNA
<213> Homo sapiens

<400> 814
aattccgttg ctgtcgcagg gtggctgcac aattggcccc tctatgctat tgaacccccc 60
taagggaggc tccttgctag ccctctggtt tgtggtaatg tctgctggga catattttac 120
attttgcatg aagccatgtt ggagattcct ttagctaaat ataacatctg gagaaagtag 180
cctcctgttc acagcttaaa aacagactga ctttgtctag gacgagaggg aaaattgagc 240
ccgtttggtg ctcctgacat ctcctttcat gtaatgaaag ctcagtctgt ctaacctctg 300

<210> 815
<211> 300
<212> DNA
<213> Homo sapiens

<400> 815
aattcgttgc tgtcgcactg ctttagcgag agagggttta cttaggaaga attgggatag 60
aaattcccag ctgagagaac ttagctgtgg gctcctcagc tactgacttc ttagctctta 120
atcccccttag aatttcatct ttctcgatga gcaggctctg cacccactct ttttttgccc 180
cccgccctca tcctggagtg tgagggtgct cgcccgtact ctcagctgcc tctcagggac 240
tgcactgttc ctcttcaccc ccaggttcct gctaagatcc cacgggcgag ggcttgctct 300

<210> 816
<211> 300
<212> DNA
<213> Homo sapiens

<400> 816
aattccgttg ctgtcggtgc tgtcatcgag tcccaggtca catcgtcaca ctcatcagcc 60
ctctgcggcc agtgtcccca cctcctgcca tgtttcccta gtagcttggt ctttatccag 120
aactgtgagg ctgctgtggg gtgcagcgtc cttaggaggg tcctgctgga gcagtggccc 180
taagtgagtc tggactgtgt gaggcacccc agccctccac ggcaaggccg gggcctgggg 240
gtgctggtgc ctgtgtgcag cctgaaggct gccctcttgc tgcttcagcg agtgggaagc 300

<210> 817
<211> 300
<212> DNA
<213> Homo sapiens

<400> 817
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acgtcgcttt gtttttttcc ttttatagaa agagcaaggt tcagggtagg cattagggcg 120
ggtgtaggtg tagaaggaac tggattattg gtttattgca tttagaatgt cagtctggtc 180
cttgcggtgt caagatgaac tcacgtggga tgttaattca cttgtaaaac tgagggttat 240
acatatgtgc tcaggtattg ggctgaacag gtgctttggg ggtgctttta tgtgcccgac 300

<210> 818
<211> 300
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 818
aattccgttg ctgtcgagcc agttgaattt atggaatcta ccaactgttt agggccctga 60
tttgctgggc agtttttctg tattttataa gtatcttcat gtatccctgt tactgatagg 120
gatacatgct cttagaaaat tcactattgg ctgggagtgg tggctcatgc ctgtaatccc 180
agcacttgga gaggctgagg ttgcgccact acactccagc ctgggtgaca gagtgagact 240
ctgcctcaaa aaaaaaaaaa aanttcnntn tttacaancc taaactnttt aaaatccaaa 300

<210> 819
<211> 300
<212> DNA
<213> Homo sapiens

<400> 819
aattccgttg ctgtcgaagg ttgcgtagct aataagtggc agaactgaca tgcaaaacca 60
gtctgtctgc ccccacagat gcatgttctt taccatcacg taggtcaggc caggatgtca 120
aggagagcaa ccccgaacta gtcctggtga tttagactag agcgtctttc actgctgtga 180
ttccttcatt ggcactttct tccagttgta cagtgtctgt ctttgcttgg tctttgcttg 240
ttctaccctt agtttagcag atatccctct ctccatgaac aaggtgagtg agctcttttt 300

<210> 820
<211> 300
<212> DNA
<213> Homo sapiens

<400> 820
aattccgttg ctgtcgccaa acaaacattg cagggttgat cctagtcttg aaagttcggg 60
cctttcctct tggcctgttt ctggaggaaa tgctcatgag gtgggtgaga ggcggatgac 120
atcctgtcgc tctggcctca ccctggggat gccacatgac agcaccgcag cattttcaat 180
aggtgaccca cctgcgagga ggaaggaaaa atgtgcccaa ggccattatg gagaacaaac 240
acctatgcag ttggagaatg ctgaagacac ccaagggtgt tgtcctctcc ctcctgagag 300

<210> 821
<211> 300
<212> DNA
<213> Homo sapiens

<400> 821
aattccgttg ctgtcggcac tggtggcaag aggctgctga tccccgttgt gcctggtgtg 60
gacagcctca actcggccat ggcggcaagc atcctgcttt tcgaagggaa aagacagctg 120
cgggggaggt ctgggaagtt gagcagggac aggagttacc actgaggacg cagaagtgac 180
ttctgcttga ggacgtctgc agctcctcct acaccagcac actggtggga ggctggcgga 240
gtcagtgact atggcccacg ttcaggagga aggtgtgatg ccgtcataca gttacaggaa 300

<210> 822
<211> 285
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(285)

<223> n = A,T,C or G

<400> 822
aattccgttg ctgtcgctga cggcgctttt gtctccgggt ccagaggcct ttcagaagga 60
gaaggcagct ctgtttctct gcagaggagt agggtccttt cagccatgaa gcatgtgttg 120
aacctctacc tgttaggtgt ggtactgacc ctactctcca tcttcgttag agtgatggan 180
tncctacagg gcttactaga ganccnatcn ccngngacct nntggancan cnnaanccnn 240
ntancgaacn nagagcncac caanaggcct naccaccatc catcc 285

<210> 823
<211> 300
<212> DNA
<213> Homo sapiens

<400> 823
aattccgttg ctgtcgcaaa tctttgccac ttctaaagcc caaaaattac tattccggat 60
catagattgg ttactgctgc cacatgcagt attacagcaa gagaaggaac tgcctgcacc 120
tatgttgtca gcaattcaga aaagtcttcc tttgtatctc cagggcatgt gtatcgtgtg 180
ttgtcaatct caaaatccga atgcctattt gaatcaattg ctagggaatg ttattgagca 240
gtatattggg cgatttcttc cagcttcacc atatgtttca gatcttggac aacatcctgt 300

<210> 824
<211> 300
<212> DNA
<213> Homo sapiens

<400> 824
aattccgttg ctgtcggaaa agagaacaac atgagattaa aaatgagact aaaaggagta 60
gcactgtaga tgggttaagg aaaagacccc tcatcgtatt tgatggaagt tcaacaagta 120
caagcataaa agtgaaaaag acagagaatg gagataatga tcgactgaag cctcccccgc 180
aggcaagctt taccagtaat gcctttagaa aattatcaaa ttcctcttcg agtgtttcac 240
ccctaatttt gtcttccaat ttgcctgtga acaataaaac ggaacacaat aataatgacg 300

<210> 825
<211> 300
<212> DNA
<213> Homo sapiens

<400> 825
aattccgttg ctgtcgccta aactcggagc agtgggaccc tgaagatgtg aacctcgaag 60
gcagcaaaga aaatgtggag ctactgggat cccaggtgca ccaggactct gtgaggacag 120
cacacctgag tgatgatgat taacaccttc tggagccagc tcatcagctc agagcccagg 180
gtcaggagtt cgttcagtaa cgcagcggga atcaatctgc actgacaccg cggcaggaac 240
tgaagctgcc ctggcaagtg aggaaccagg agccgtcact gagtgtggct gggctacatc 300

<210> 826
<211> 300
<212> DNA
<213> Homo sapiens

<400> 826
cccacactcg agcccacccg gccggccagc tttagaggag gggaggagca gggcgagttc 60
acattattcc ttttccatcg gaagtggcgc tcgtgcattc aactcgttcc cgctcatgga 120
acccctcttt aaaaagacgc agggcacctg tgagcgcagg agcgagccta aggccaccca 180
gcggcagcgc ccgtgtcctg ggcactcagc gtgctgggca gagcaggtgc gatggcccca 240
gtcctagcag ccctcgccca tgtcctgtgc ccttacatgg ctcccggact gtgcagggag 300

<210> 827

<211> 267
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(267)
<223> n = A,T,C or G

<400> 827
aattccgttg ctgtcggttt ttgttttaag agagtataag gtgtctcatt tgagtctttt 60
tcttacctag ccccctctta tcagtaaaac aaaggacttg ccatggttca cagcaatgtg 120
ctacgatcca agatatcagc caaggagccc acttagggga gaactaggtg tccagatttt 180
tgtatgtgtt gnttttcttg ggggatgggg tggggtttcn nntccnntat tnnnantgtt 240
tnncnnnnan ctntgncnct ntacanc 267

<210> 828
<211> 300
<212> DNA
<213> Homo sapiens

<400> 828
aattccgttg ctgtcgcatt ttcaacaaaa catccctgga gtcagatttt gagttggggt 60
gggctaatca gggagtcggg gctctctgcg tgatgtcagt tctatggcta actggttttt 120
ctaaaccagc cagctgccta tcaaaacagt acaacttttc taggaaatgc aattggcaaa 180
gacacttacg atgctgagaa gtacacaagg tgaaactgct ccagtttttc tcatagcagg 240
gtcagcagga aagcaagtgg tgcccctggt cccatctcac acaggtgaga ctgcaccgag 300

<210> 829
<211> 300
<212> DNA
<213> Homo sapiens

<400> 829
aattccgttg ctgtcgggtt gttgaaagtc cagatttttc caaggatgag gactacttag 60
gaaaggttgg aatgttaaat ggaggccgcc gaattgacta cgttctccaa gaaaaaccaa 120
tagagagttt taatgaatac cttttcgctc ttcagagtca cttatgctat tgggaatctg 180
aagatactgc tctgttacta cttaaagaaa tttatcgaac aatgaacatt agtccagaac 240
agccccagca ttgatcaaac ttcagtttta ctgtactttc ttgtctgcac agaaagtccc 300

<210> 830
<211> 298
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(298)
<223> n = A,T,C or G

<400> 830
aattccgttg ctgtcggtcc atcttcctct tctctgcccc tgcatttcca tcccaggagg 60
accactgggc acaaggaaca tcagaaacca gggagcagtg tgcattggga ttccttccag 120
acgctgagag ctgagaagtc gtcccccttt cataaccttg ctcagactca ggaggttgag 180
gcagaagaat cgcttgaacc caggaggcag aggttgcagt gaaccgagat ggcgccaact 240
gcactccagc ctggtgacag agcgagactc cgtctcaaaa aaaaaaanca aaccaaaa 298

<210> 831

<211> 292
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(292)
<223> n = A,T,C or G

<400> 831
aattccgttg ctgtcggcag ctagtaattt gccttctgga ttcctggcac ctgtgtttgc 60
tctgtttgta ccatttact gctccatacc aagagtccaa gtggcacaaa ttctgggtcc 120
gttgtccatc acaaacaaga cattgattta tatattggga ctgcagcttt tcacctctgg 180
ttcctacatc tggattgtag ccataagtgg acttatgtcc gntctntncn acgacnactt 240
gatgaccaag tntgtcatna tgngaatgaa taactactan agactaaact at 292

<210> 832
<211> 196
<212> DNA
<213> Homo sapiens

<400> 832
aattccgttg ctgtcggttt atatccagga tccgtgcctt tccaccgggt gtggtgggcc 60
cagaggcagc caaggagtgt gctcttctgt ccagatgagc cttggagccc agaatggaaa 120
acaaatcaag catcggccct aagaggaact gaaagcagcc acccaactct ttcccagggc 180
cctcattctg aataga 196

<210> 833
<211> 300
<212> DNA
<213> Homo sapiens

<400> 833
aattccgttg ctgtcgatcc cacgtatatt tttcacccaa gatgtcggat tactcttccc 60
aatgatgaga cgcgtgtgaa tgcaacgatg gaagatgtga atgactggct gactgaactc 120
tatggcgatc agcctccatt ttctgagccg aaattcccta cggagtgctt ctttctcacc 180
ctgcatgctc accacctctc tattctgcct agttgccgtc gctatatccg cagactccgg 240
gctatccggg agctcaatag aactgtagaa gatttgaaaa ataatgaaag ccaatggaaa 300

<210> 834
<211> 300
<212> DNA
<213> Homo sapiens

<400> 834
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ggaaatcaag gtggcttttt cagagactgt gttggttcct ttcaaatatt tgaaacactg 120
acagaaggag acattttaga tttcctcaaa gtttacactg cccagttttg gggggaggca 180
tgcctagttt ctttgaaact ggctatgttt tccttaatac ctgatttgcc tttctctgta 240
atccttaaaa taaaatttgt taaaagtgtt cttcattatg gaaacaatat atatgtggta 300

<210> 835
<211> 300
<212> DNA
<213> Homo sapiens

<400> 835
aattccgttg ctgtcgttta atacttttttt ttgctaagtg ctgctgggaa acacatggag 60

gagaacaaaa cccgacaagc ctggtgctgc tcttactgta tctgtggggt ggggaatggg 120
gaagttctga aaatttacag gtgtgtctca gactaaaggg tttcaaaaca ctgtgctgaa 180
gcagtgcgtg ttgaggtaga aggcacagga gtgttcctgt ggttgggaga gatatcctgt 240
gtccagaatt tgaggcagga gatagaggtt ttgctggtgg gattgtggtg agactcctag 300

<210> 836
<211> 300
<212> DNA
<213> Homo sapiens

<400> 836
gccccaagga gtgctagctg agggtggttg ctggggtggt cctcatggac agtgaggtgt 60
gcaagggtgc actgagggtg gtgggagggg atcacctggg ttccaggcca tccttgctga 120
gcatctttga gcctgccttc cggtgggagc agaaaaggcc agaccctgct gagttagagg 180
ctgctgggat ccactgtttc cacacagcgg gaaggctgct gggaacaggt ggcagagaag 240
tgccatgttt gcgttgagcc ttgcagctct tccagctggg gactggtgct tgctgaaacc 300

<210> 837
<211> 300
<212> DNA
<213> Homo sapiens

<400> 837
aattccgttg ctgtcggaga tggcggagtt ggacatcggg cagcactgcc aggtggagca 60
ttgccggcag cgagattttc ttccatttgt gtgtgatgat tgttcaggaa tattttggtg 120
actgtaatca atgagagact gaagacagat caacatacat cttacccatg ctctttcaaa 180
gactgtgctg agagagaact tgtggcagtt atatgtcctt attgtgagaa gaatttttgc 240
ctgagacacc gtcatcagtc agatcatgag tgtgaaaaac tggaaatccc aaagcctcga 300

<210> 838
<211> 300
<212> DNA
<213> Homo sapiens

<400> 838
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gatgtggtca ccgaagtccc cacacgctgg ctctccacac ccctcctgtt ccagaaagca 120
tgtccgaaag cagtccagga gattattaag gggtcgccat gaatccactt tggttttaaa 180
accattcccg aatgtcctag tggattgtgt tgtgctgcct aagctgccgg ctgcaggagc 240
cagagaagtg acccccgcgg gagcagcggc aggtggatct ccacggtggc tcgctttgtt 300

<210> 839
<211> 300
<212> DNA
<213> Homo sapiens

<400> 839
aattccgttg ctgtcgctgc gatcctttct gtagcagtga ttctaaagtg gcgtttgctg 60
tgtgcttgag agtaacactg cacgctgcag gggctgttgc agcagtcagt cccaggaagc 120
cacagcgctt gtaggatctg ctaggaccct gcagctgtgc tgccgccacc tctgctccag 180
agtgtcccag ccaaccctcg gaagatggga ttgccagtca gccctgcctc accatgcctg 240
caggaggctg tccagggagc aggtctgtgt gcccatcagc aggttcccat ggctgtcact 300

<210> 840
<211> 300
<212> DNA
<213> Homo sapiens

<400> 840
aattccgttg ctgtcgcaca cctcctgccc cactgccctg cttggactct gactcccact 60
cactctggga agcctcctcc tacccaacat ggacgatctc ctcatgcctg cttgggcact 120
ggcctccatt ctcgggggcc ctaatgctta gacatgctcc tcaccctctg cagctctgac 180
accctgtgtt gggatgccct cacatgggta ccccctcatt ctgcctgtgc ttcaacaccc 240
caggcccagc tgtgctgtgc gtgaataccc ttccacccca ctcaggttct gacttcccac 300

<210> 841
<211> 300
<212> DNA
<213> Homo sapiens

<400> 841
aattccgttg ctgtcgggat agacaaggta aagccgtatc tcccaatgat catagctcct 60
ttgtttcggg aactcaacag cacctattca gagcaagatc ctttgctgaa gaatctatcc 120
caggaaatca tagaattact caaaaagctg gttgggcttg agagcttctc attagccttt 180
gcctctgtac agaaacaggc taatgagaaa agggcactcc ggaaaaagag gaaggccctg 240
gagtttgtaa ctaatcctga tattgctgcc aagaaaaaaa tgaagaaaca caaaaataaa 300

<210> 842
<211> 300
<212> DNA
<213> Homo sapiens

<400> 842
aattccgttc tgtcgggttc ccctgatccc cagccccttg tcatcagcag tgcccctgat 60
cctacctcag gccccttcag gcccatccta tgccatctac ctgcagccca ctcaagccca 120
ccaaagtgtg acgccacccc aaggcctgag cccaacggtg tgcaccaccc actcttctaa 180
agctactggc tcaaaagact ccacagatgc caccactgag aaggcagcca atgatacctc 240
aaaggccagt gcctctacca ggcctggaag cttgctgcca gcaccagaga ggcaaggggc 300

<210> 843
<211> 300
<212> DNA
<213> Homo sapiens

<400> 843
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ggggccaggc tggccttcgt acggggagga cgaagcgggg cgaagagagg ccacacacat 120
gctcggacat caagagtatt cttcttcacc gctatttcag gtgccaagga cttcaggcag 180
ggagccctca gctccttccg ggaacctccc ccaccgggga ctgcagggcc ctgggctggg 240
ttaccccacc agctccacgg aagacctcca gcctggccac tcctcggcct ctctcatcaa 300

<210> 844
<211> 300
<212> DNA
<213> Homo sapiens

<400> 844
aattccgttg ctgtcggtct tggccggcgc tgacgcagcc atggcggagg cggctttgga 60
agccgtgcgg agcgagttac gagaattccc ggccgctgca aggggtggga gctgccctgg 120
ggtcaggtgt gagcagtgat tactggcatc tgggcatggg ctgagtgtcc attcctctag 180
agccacagtg ggctccacag aggtgagtgt ggccgtgacc ccagatggtt acgcggatgc 240
cgtgagaggg gatcgcttca tgatgccagc tgagcgccgc ctgcccctga gcttcgtgct 300

<210> 845
<211> 300
<212> DNA

<213> Homo sapiens

<400> 845
aattccgttg ctgtcgatca gtattgtggc ccaggtggac cagaccggct ccaagtccag 60
taacctcctg gatctgaaaa accccttctt tagatacacg ggcacaacgc cctcaccccc 120
acccggctcc cactacacat ctccctcgga aaacatgtgg aacacgggca gcacctacaa 180
cctcagcagc gggatggccg tggcagggat gccgaccgcc tatgacttga gcagtgttat 240
tgcagtggct ccagcgtggg ccacaacaac ctgattcctt tagggtcctc cggcgcccag 300

<210> 846
<211> 300
<212> DNA
<213> Homo sapiens

<400> 846
aattccgttg ctgtcgggtg cagctgccgc caccgccgct tctgcaaggt ctcagggacg 60
ggctgcagcc atgtcctatt gccggcagga agggaaggat cgaatcatat ttgtaaccaa 120
agaagatcat gaaactccaa gcagtgcaga attggtggct gatgacccca acgatccata 180
cgaggagcat ggattgatac tgccaaatgg aaacattaac tggaactgcc catgccttgg 240
gggaatggcc agcggtccct gtggagaaca gtttaagtca gccttttcct gcttccacta 300

<210> 847
<211> 300
<212> DNA
<213> Homo sapiens

<400> 847
aattccgttg ctgtcgcaaa atgtaagctg tgctcctctc atttttattt ttatttttt 60
gggagagaat atttcaaatg aacacgtgca ccccatcatc actggaggca aatttcagca 120
tagatctgta ggatttttag aagaccgtgg gccattgcct tcatgccgtg gtaagtacca 180
catctacaat tttggtaacc gaactggtgc tttagtaatg tggatttttt tctttttaa 240
aagagatgta gcagaataat tcttccagtg caacaaaatc aatttttgc taaacgactc 300

<210> 848
<211> 300
<212> DNA
<213> Homo sapiens

<400> 848
aattccgttg ctgtcggaaa atatctaaat tttgcacagg agagcaatta gagaggctta 60
aacaggaagg aagtcttcta attccttaaa agcattatct catatttgaa gagttcaagt 120
ttgatgcaac ataaactgat aaagtttgaa ataaaaagag acaggttggt aggaaagacc 180
attcatatcc tatccccaaa ctggcttaag tccactccca ctgcccccag ctaccacctt 240
tttactttat tctacctgct atttctttgg ccaccggaat aataagcctg atgtaaattc 300

<210> 849
<211> 300
<212> DNA
<213> Homo sapiens

<400> 849
gaaagaactc cctggctgta gctcctatgt aggtttaggt tgagactctg gattccacaa 60
tttttaaagg ttaccatctg aggtttctga tcatagtcta cttttgaagc agctgctgct 120
atttctttat tccattgaac accctggaat tgacataatt ttatctatca gcatttctcc 180
ccttttagtt tatttaataa ttaacccggt ctccagggca gttttcatat gaccatgtgt 240
atattcactg ctcacgaata agtttaatgt tagattacca aatttaatat agttacagaa 300

<210> 850

<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 850
aattccgttg ctgtcgagaa ctttcatttc taagtacgct tactggcntc aatataagaa 60
atcactccag gcagacagaa gacctaacaa gcactgagat gacagaaaag agaattagaa 120
aagttctaca gagacacaga ttatcaggaa attgccacat ggttacattt caacttgaat 180
ttcagattct ggaaattcaa aataaggaga gattatcttc tgctgttact gacctcaaca 240
taataatgga gcccacagaa tgctcagaat taagtgaatt tgtgtctaga gcagaagaga 300

<210> 851
<211> 300
<212> DNA
<213> Homo sapiens

<400> 851
aattccgttg ctgtcgcagg tgactgccaa cagccagccc aatgtcgaat ccagaaatgc 60
accacggact tcgtgtccct gacttctcac ctgaactctg ccgttgacgg ctttgactct 120
gagttttgca aggccttgcg tgcctatgct ggctgcaccc agcgaacttc aaaagcctgc 180
cgtggcaacc tggtatacca ttctgccgtg ttgggtatca gtgacctcat gagccagagg 240
aattgttcca aggatggacc cacatcctct accaaccccg aagtgaccca tgatccttgc 300

<210> 852
<211> 300
<212> DNA
<213> Homo sapiens

<400> 852
aattccgatg ctgacgagtt tgcatctaaa taatgcctat gagttgtgtg aagctcttgg 60
ctttttttcc aacgttactt tggaactaat gagggtggat gttcattgta gtttatttat 120
ttggttcttt acatggagga atttaaaaaa tcaaattttt ctcttcacct ttatgacttg 180
acatttcctt gatctgttgg aggctaaaag taggtataaa tgatattgaa tgttgggtat 240
agtgatactc tgccatagtc cttactgcat gaagagaacg agaagtcaca caagttcacc 300

<210> 853
<211> 300
<212> DNA
<213> Homo sapiens

<400> 853
aattccgttg ctgtcgaact tgtccaagtt ccagatgacc aacaaagaca gctatagaca 60
ctctaactct gtgccaatta cccaaggcct tcagggccct gggacctatt ccatgatagt 120
ggtaccctaa ctgaacccat ttcagccact cagattgata gggtggaaaa gacagggcag 180
gtggtagcag ctgtgaagaa aagaggaaag cagaagggtg gcctataatc tacaggcatg 240
tagagaggac tacataggcc tctgttcttt gcctcaggag ccccccttcct gtcccttgga 300

<210> 854
<211> 268
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (1)...(268)
<223> n = A,T,C or G

<400> 854
aattccgttg ctgtcgggtg cagctgccgc caccgccgct tctgcaaggt ctcagggacg 60
ggctgcagcc atgtcctatt gccggcagga agggaaggat cgaatcatat ttgtaaccaa 120
agaagatcat gaaactccaa gcagngcaga atnggnggnt gangacccca angatncata 180
cnangancac gnctagtnan agtcanangg nnannnancn agnaacannc nngccangng 240
naananannn cgnnnnnnnn nnnaanag 268

<210> 855
<211> 300
<212> DNA
<213> Homo sapiens

<400> 855
aattccgttg ctgtcgaaac atctggccaa cctccaaagt attttcattt atcacattct 60
gcctctgtgt ccaactgtcc ttgactgttc gtggtaatgg gaaactcact actctggagg 120
tagctattcc attgttggaa agcgctgaga tttaaaagct cctcatgttg aattgaaatc 180
ccatttcctg aggtttgtgc aaccagtgta tgatatttct agaggctgcc taaaagagtc 240
cagtttagac ctgttacctt agaaggcccc ctccaaagtt agttgatctg ttcagaaaag 300

<210> 856
<211> 300
<212> DNA
<213> Homo sapiens

<400> 856
aattccgttg ctgtcgctgc acaggacact tatgccaccc tcttgccaga tgcctttgaa 60
gaaagagtca gactggtcca ccctccccca gcccctgggg ctccttgagc ctctctccag 120
ccttggcagg aggaggaaaa gcagcacctc cctcagacag ctggaaaggc cctcttcctt 180
cccagctcag tgggtccggc caagggtcac cagacgggta tttgtcccca cctccctacc 240
aaccccaaga acacactcca cacccctctt cgctgctgcg gtgtgaagct tcagcctaac 300

<210> 857
<211> 300
<212> DNA
<213> Homo sapiens

<400> 857
aattccgttg ctgtcgggag aaccaggacc ccagagaggt ggggccactg aggctggtgc 60
agttgcgctc actcatcagc atggcccgga ggctgggggg catcgggcat accccagcag 120
gcccctatga cggtgtgtga ccaggccagc ccagtgacct ttctcctgct gcacttggag 180
ggaggggaca tacacacagt ctcccatctc tcctcccctc cccctggggt ggcccaccgc 240
atgggtacag ggggttccag gaatccaaat ccagcatggc ttggaggagc tctgttggtg 300

<210> 858
<211> 300
<212> DNA
<213> Homo sapiens

<400> 858
aattccgttg ctgtcgctca cgccccctaa ctcgcagggc tttgcccccc actacgacga 60
catcgaggcc ttcgtgctgc agctggaagg taggaaactc tggcgtgtat accgaccccg 120
agccccaacc gaggaactgg ctctgacatc cagccccaac ttcagtcagg acgacctcgg 180
tgagccggtg ctgcagaccg tgctggaacc tggagatttg ctgtattttc ctcggggctt 240
cattcaccaa gctgaatgcc aggatggagt ccactctctg cacctcacct tgtccacgta 300

<210> 859
<211> 276
<212> DNA
<213> Homo sapiens

<400> 859
aattccgttg ctgtcgctct taatttcttt ctgggtagta aaaagaacat gtttcattct 60
ttgcataaat acttgactct aagcattgac ctttgaaaac gcttgtatta acaattttta 120
ttaagaaagt gcactctata taacatcttc ttgcattacg atagctcatt agccaataca 180
catgcagcta tgtaagccac aacagcagac gtcctatcct tttgcttttg tttttaaggg 240
atcaaaatat ttcaagggat accatgagga agggtg 276

<210> 860
<211> 300
<212> DNA
<213> Homo sapiens

<400> 860
aattccgttg ctgtcggttg atggccagga aagaagccag cacagggtta aagtaactcc 60
tggcattgcc caccaggggg ctggtgcacc tgctgacctc agggtcacag ttgagtcatt 120
tgccagttga cggagcaagt ttgaccttgg ttctgttgct gaagcaaatt tggaactttt 180
ctgtctcagt gtgatccact aacccacagg atcatttgga accttgaata gctctgcttg 240
gacaatgggg ttggggaata gggttgtctt tcctatgaaa atgccatctg tagaccttgt 300

<210> 861
<211> 300
<212> DNA
<213> Homo sapiens

<400> 861
aattccgttg ctgtcggggt tgcccaccca tgggagagct gctctgtatt ttcagcagaa 60
tagggtgtgt tagtgtcaga gcctttataa gaaacaggcc agtaacccag ccccttcca 120
tggaattcat ctcattcgtt gtgacacatg atttcctccc aacccagttt ggctttctaa 180
atttagtcct ccataatggg aagtagagat ctttagttaa tggattagca agtttttgca 240
gttctgctat ggtggtaaag ggggagtagg agaataacat taagtggcaa tagtgcattt 300

<210> 862
<211> 296
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(296)
<223> n = A,T,C or G

<400> 862
aattccgttg ctgtcggagc tttccattac atgagctgtc tcaaagccct taagaactag 60
gtttagaagg tgcagagacc agggcaactt cagggatcca ggtagcagga aggaatcggt 120
agcctctaaa cctagttctt aagagctttc cattacatga gctgtctcaa agccctccaa 180
taaattctca gtgtaagctt caaaaaaaaa aaaaaaaaaa attncnnggg ncngtttttn 240
ncnaaaancc aanctnnana aaanccttng agnatttggn nnaacccnna cttaaa 296

<210> 863
<211> 300
<212> DNA
<213> Homo sapiens

<400> 863
aattccgttg ctgtcggttg agaagtgctg gcttattaga gactctggct gaaggtcatg 60
tgcgaactca ggaaactgct aatcacgggt cgtgtttttc agcccctgtc ttcaggaagg 120
cttaactcta agggagggtt gttttgtgtc atctccagag ctctcatttc tcctgtgtgg 180
cttggtgccg aagctcattc gtcccctcgc tgtctgttcg gcccttgtcc tacctccct 240
ttctctttcc acgcttttgt gtaaagtagc cctctttcaa gctgctcctc tgcctttgaa 300

<210> 864
<211> 300
<212> DNA
<213> Homo sapiens

<400> 864
aatccgttgc tgtcgaatct gtaaaccttt atgacattag gaactaagaa acttagtccc 60
ttcgttaggg ggataatgaa atgtatttag tgtttgtgaa acatagatgg tatgtatttg 120
gacaattctg taactttgct ttttttattt ttatttttcc atagcttatt ggggaacagg 180
tggtgtttgg ttacatgatt aagttcttta gtggtgattt gtgggatttt ggtggaccca 240
tcacccaagc agtgtacact gcaccctatt tgtaatcttt tatccctcgc ccccctccca 300

<210> 865
<211> 286
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(286)
<223> n = A,T,C or G

<400> 865
aattccgttg ctgtcgaata aagtccatct ctcaatactt atactttcta aattcatctc 60
agaatattag cagccatatt ccacagttcc tataattttt actgggggg atttgtgata 120
ggaaagtcct tgggaaacat ttccaatctt tcaaaatatt atcgcggatc ttaagaagca 180
tcggaacttg natgttgnaa nggtgcatgn tanancttnc nccntctnct acgacccgcc 240
nttntnncgn ncccnccann tngacgngcc ccccnncccc cccctc 286

<210> 866
<211> 292
<212> DNA
<213> Homo sapiens

<400> 866
aattccgttg ctgtcgggtt ttgctaatct ggattcctgt ggaagggcct cctctctctg 60
ctcgtgtttt atagcttggc aactctagtg ctagttctgc aatattcgaa tttgagtagc 120
cagaagaatt tgctgccagg gtggccttgc ccttgacttt gaaatgaact cacccgagac 180
ttcagcttga tgcctccttt ggctaatgct gggttctggg ctttggccgc cgcctgcctg 240
tccatcacaa ggggccatgc tctccaatca ggacagaagt tttaacattt ta 292

<210> 867
<211> 300
<212> DNA
<213> Homo sapiens

<400> 867
aattccgttg ctgtcggggc agcccgggtt aaaggcacac tcactcaagg ccggctctca 60
tttagtggca ccgcaggtta aatgctgctc ccaggccttg ggtcccagtg accaggaaag 120
ttttgaaaat gagaacatgt gttgacccta ggactaggac aacagcgccc ttgattttgc 180
ggaagtcttc cctggaagtt gggcgtgctt gatattgaga cgctgcactt tgtgtttctt 240

gacggctttg ctgcaaattc tcacacacct tgcgcttgag taaaacccca aggattccag 300

<210> 868
<211> 300
<212> DNA
<213> Homo sapiens

<400> 868
aattccgttg ctgtcggtct gctgcacgtg ttcgcgtgcg cctgccccgg ctgtagcacc 60
ggcggtgcgc gcagctggaa ggtgttccgc tcccagtgcc tgcaggtgcc agagagagag 120
gcgcaggacg ctcagaaaca gggaaacagc cttgcagctg aggactggtg tgaaggtgct 180
gatgactggg gaagtgatac tgaggagggg ccttcaccac agtttacctt ggattttggg 240
aatgatgcca gcagtgccaa agacgtagac tggactgctc ggctccaaga cctccgcctg 300

<210> 869
<211> 300
<212> DNA
<213> Homo sapiens

<400> 869
aattccgttg ctgtcgcaga caccttctcc tatggtgggc atgaagactt ttcaaaaatg 60
attgatgaag ctgagcccct gggctaccca gtcgtggtga agagcacacg aggccaccgg 120
ggaaaagctg tttttctggc aagagataaa catcacctct ctgacatctg ccatctgatc 180
cgccacgatg tgccctacct gttccagaag tacgtgaagg agtcccatgg aaaggacatc 240
cgggtggtgg tggtaggggg ccaggtcata ggctctatgc ttcgctgctc cactgatgga 300

<210> 870
<211> 300
<212> DNA
<213> Homo sapiens

<400> 870
aattccgttg ctgtcgaaac tgtgggcatt tatctgtgag ctcgggcccc acggagggtt 60
aaagctcttc ttggaatgcc tgaacaatga cactgaagag tccaagcaac tcttggccat 120
gctgatgctg ttctgtgact gttcgcggca cctcatcaca atccttgatg acattgaagt 180
ttatgaagaa cagatttcat tcaaactgga agagctggtc actatctcct ctttcctgaa 240
ttcttttgtg tttaagatga tctgggatgg aattgtagag aacgccaagg gtgagacctt 300

<210> 871
<211> 300
<212> DNA
<213> Homo sapiens

<400> 871
aattccgttg ctgtcgctgg catttggacg ctacattctg gaaccatttt ttattcaatg 60
tgaaatccct gaacttgcga tcaagctcat tacagctgtg ggcataactg tagtgatggt 120
cctaaatagc atgagtgtca gctggagcgc ccggatccag attttcttaa ccttttgcaa 180
gctcacagca attctgataa ttatagtccc tggagttatg cagctaatta aaggtcaaac 240
gcagaacttt aaagacgcct tttcaggaag agattcaagt attacgcggt tgccactggc 300

<210> 872
<211> 297
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(297)

<223> n = A,T,C or G

<400> 872
gtggtggtac acgcctgtaa tcctaagtac tcgggagact aaggcaggaa aatcgcttga 60
acccagaagg cggagtttgc agtgagcgga gatcacacca ctgcactcca ccctaggcaa 120
cagagcgaga ctgtctcaaa aaaaaaaaan ttaccntnnn ttttttaggn cntttcnaaa 180
taaaangggg attttttttt cntgtntaaa aatntaanct anttgttncn ttannaaaat 240
ngnatngggn gggtnagnan atgngnnctt gnaacagtnt ccnnggntcc tttatcc 297

<210> 873
<211> 300
<212> DNA
<213> Homo sapiens

<400> 873
aattccgttg ctgtcggaac catagactca atccttccta aaagctcaag gctttctggc 60
ttggtaattt tgtggggaag cacttgcagg aaaaacactt tgaaatatga agaaggaaat 120
gtgattccgg tggtttcttt ataggcccta aatcagtaca ggaagaaata ggacaagaac 180
cagagaagat taactttctg aaactttaca aacagcctaa ttcccaagta gagaaaagta 240
tattttaaag aatgaatact gggggaggaa atgaaggaag gtgaattaag ccttcacagt 300

<210> 874
<211> 300
<212> DNA
<213> Homo sapiens

<400> 874
aattccgttg ctgtcggttg taatcaagct tttccacagt tcttgaaaag tactatgttt 60
caaatttcag gaacaccagc gttagctgta aaagttgcag caatttattg gctagtcata 120
gaaaattttt gaacttttaa ctgtatttta attgatgttt attaaaaaca ctttgctatc 180
agatatttgg cataaatctg tactcttcat tatagttttg gggggagaga agattcagtc 240
agaaaactta ttcaaagtac ctaagtatta taaaggagtc aaaaaggtac aaagagaaaa 300

<210> 875
<211> 300
<212> DNA
<213> Homo sapiens

<400> 875
aattccgttg ctgtcgcaac tgccttttta agaaatttca cttcttgcct aattttcttt 60
cccttctgct atagaaatat tatgggctgg atacaaaatg gggtgacatc gagcagtgga 120
tggtaggcct tgaatataat tttgttttta ctcttccctc cccacttgaa tacagtgttg 180
agacttaaat ggtttataat gtaattctta cgcagtttaa ctatgtagat agattcctat 240
tgcaccataa tttaatactg agagattttc ttccggggat ttctgcatct ggtctctgtt 300

<210> 876
<211> 300
<212> DNA
<213> Homo sapiens

<400> 876
aattccgttg ctgtcggtgg gatggctccc cctatgaaag ttgtccagtg agcagggtca 60
aggtttaggt ttggggtacg gacatgagtg caggagcctt actctcctgt gtgttgtcag 120
ggatggataa aggggatgaa gttggagggg tttagtgaat ggttgggaca gcaaatttca 180
gagaagagca tttggaaata attttctcaa atatatattt ttaaaatcca tatttgattt 240
ttttccctca gggattccca agcatagtag agctaaaatg aattaatttg ggtaaaagta 300

<210> 877

<211> 279
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(279)
<223> n = A,T,C or G

<400> 877
agctaacaaa gtgagttcac agcttccaag accccaggct ttccaggcta ataaagagct 60
gaggttatag gctctcctta tcaaacgctc tttggcagct gccataacca ttccaagtct 120
agtcctagaa tagaaatgac gcggtttcag gagctgacag atggaacttt aagccttcct 180
tcctgccaca tctgaagttc ttttttaaan nnataganaa ccatgacgat aaacactcct 240
tgaatgccct gnngaanagt gtacttctca naattcact 279

<210> 878
<211> 300
<212> DNA
<213> Homo sapiens

<400> 878
aattccgttg ctgtcggtct tctcaacctc ctattgttgt tataaaatct ctgtgaaagg 60
cagcagcctc ctctgccttc catattaacc agcactttcc ctgtccagaa gttattccat 120
cttacggata ttgagaagat aaatggaagt gattagaatg tactttccaa acataaaaca 180
ttgtactgta ggagtttgtc aaaggggatt aatactacca catatctgta gaagaacttt 240
atgaagaccc tgtgtatctc tcaaccttaa tgactaagat tgtagatatg atagaaatct 300

<210> 879
<211> 274
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(274)
<223> n = A,T,C or G

<400> 879
aattccgttg ctgtcgggcc aacaaggctt ccagctggat gtgtgtgtag catgtacctt 60
attatttttg ttactgacgg ttaacagtgg tgtgacatcc agagagcagc tgggctgctc 120
ccgccccagc ccggcccagg gtgaaggaag aggcacgtgc tcctcagagc agccggaggg 180
agggggggagg tgtgggaggg tctgnccggn atgttggact tcncggtcaa tgtcnttttg 240
tnntncctgg aattngcttg nannggtact tcct 274

<210> 880
<211> 300
<212> DNA
<213> Homo sapiens

<400> 880
aattccgttg ctgtcgcaaa ctttcttttg tttcaccagt gggaaggaaa aaataaatgt 60
gaaccaaagc aaactcccta catttagctc atggggttga ttccttcgct tcttgcagtg 120
gtcttggcct tttgtttgca ggccaggaga gctattggtg atacccacct ctgggctagg 180
atgtgatggg aggtgggatg taggggccca gggagaaagg gttgcagcca gcggtcaggc 240
tgggagcaga gacctccagg cgggtccctg gtgttctggg cagtcacgcc caactgccaa 300

<210> 881

<211> 262
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(262)
<223> n = A,T,C or G

<400> 881
aattccgttg ctgtcgcatt tatgttctat tgtgcgcact ggcaaacgta tgtttctgga 60
acattgcgat ttggaataat tgatgtgact gaagtgcaaa tcttcataat aatcatgcat 120
ttgctggcnn cgattnnagg ncnantttnc tnnnccanat natttcagtn nttgntantn 180
tntnnnangn attnnntgna tntnanttta gtgnntaant tnnnnttttn tttgcnnntt 240
tnaatntnnn tnttntttcc tt 262

<210> 882
<211> 300
<212> DNA
<213> Homo sapiens

<400> 882
cttctgtaga tactgaagaa acaattgaac cttatacaac tgaaaagatg agtcgagttc 60
ctggaggata tttggctttg acagagtgct ttgaaattat gacagtagat ttcaacaacc 120
ttcaggtgtt tactacaatc tggaggcaag atctttcctc agtatgtgct gatgtttggg 180
ttgcttgtgg aatcacagac actcctagag gagaatgctg ttcaaggaac agaacgtact 240
cttggattaa atatagcacc ttttattaac cagtttcagg tacctatacc gtgtattttt 300

<210> 883
<211> 300
<212> DNA
<213> Homo sapiens

<400> 883
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ctggctgttc atcttccata atcaactggt agacgttaca tccaagagga aataatccag 180
gcaaggaagc acaagctgat caagatgtgt agttctgtgg ctgccaagtt gtggtttttg 240
acagatcgtc gcatcaggga agactatcct caaaaagaga ttttacgagc attgaaggcc 300

<210> 884
<211> 300
<212> DNA
<213> Homo sapiens

<400> 884
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aattactgct caaatgttag ctgtcgtatt aatattgtca cttttgcaca ctgatgtaca 120
tttcctgttg accaggctca ttctttaagc attctccatg cttaaaccag ttccataatc 180
cctaggcctg tactccaggg attgagactg aaaggatcat ttatgccatg tttctctaaa 240
agcatcattg ctggaagact tttgataagt ctgatgtgtc tcaagctatt ctcaagcctt 300

<210> 885
<211> 300
<212> DNA
<213> Homo sapiens

<400> 885

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ccttccactg atacaagaac gcctgacaga caatctcaga gttggacaga catccatagt 180
tgctgctcag atgtttcttt ttttcagagt tttgctgcta agaatatctc ctcaacattt 240
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<210> 886
<211> 300
<212> DNA
<213> Homo sapiens

<400> 886
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gaccaaaagg aaatcaactg agtgggtgtt tggaagagga aggagcaact ctcgggcagc 180
ctgcccaagg gagggagcaa gttgcaattt agaagatgcc atacgtcgtg tgacagctca 240
tgagcctttc actgggctgg caattgtctg aacacttggg ttcagttgaa atatatgtat 300

<210> 887
<211> 300
<212> DNA
<213> Homo sapiens

<400> 887
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gaactgtgta tgttcttcag gaattataaa gaagctgaag ctaaacttct ggagtttcag 120
aagagccttg aaacgcttaa cacagcagcc acaaaggtcc accctgtcat ccctgccatg 180
tggctggagg atcaggtgtg tttccttttg aagcttatgc tacagcagtg taagacccag 240
tatgagctgg ggaagctttt acagctcttt gttgaaagag agcatctctt ctctgatggt 300

<210> 888
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 888
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ctagagaaag agacctgatt ccatcttcaa gacatttgaa accaaagaca tttgaactgg 120
aactaaaagg ttcaactcag ataaactcct agttagattg aagagatata ttcttcactc 180
tactcttggc aggaaacaaa gcactttctc tgggagaacc tattttcttn tttantggtn 240
cttttatntt ccatggtnta nntanncnaa ttttntttga nactntatgt tttgaatttt 300

<210> 889
<211> 300
<212> DNA
<213> Homo sapiens

<400> 889
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tctcccaggg gccaccaacg gcttctcgcg caggctgtgc cctctctgct gagtcaagcc 120
ggaccttgct ggcgtgtgtg ctgtgggtgc tgaaaaacac cgagccggcg ctcctgcagc 180
gctgggccac tgacctgaca ctcccccagc tgggacgtct gttggacttg ctgtaccttt 240
gcctggctgc ctttgagtac aaggggaaaa aggcctttga acgcatcaac agcctcacat 300

<210> 890
<211> 300
<212> DNA
<213> Homo sapiens

<400> 890
aattccgttg ctgtcggcag ggtgtcctag gctctgagtc tacagcaggg aaacaaggag 60
cctgctctca tggagctcac aggctcaaag gatgcagcca catcattgga cctttcagta 120
ggttccctgt gctgttaaag ctcccgtgtg tgcacgtgat tcaggctcca acaattcctg 180
gccaagataa cagcacagag gccctggacc acctctgggt gttctgtaca gtgggccctt 240
gggggcctgg ctttcaccca ctggggtgca atataaaccc tcttcagatg ccagaaccaa 300

<210> 891
<211> 259
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(259)
<223> n = A,T,C or G

<400> 891
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ccccacccca aaaagagaaa aatgaaaaac tcatagtttg gagccaggag gcagggtgtc 120
ctacagggct gcacagccct gaggggtcag tgctgggatc tggttggttg gtttgtcttt 180
ttgtcttttt ttttttttnn ncncantcnt nanngaaatt ngttttaanc cnccagngtn 240
gncnttaaac caaagggca 259

<210> 892
<211> 287
<212> DNA
<213> Homo sapiens

<400> 892
aattccgttg ctgtcgcgca gaccatggca gccgccgacg gttcgctctt cgacaacccc 60
aggacgttct ccagacgtcc cccagcccag gcgagtcggc aagcaaaggc tacgaaaaga 120
aaataccaag cgtccagtga ggctccccca gcgaaacgga ggaacgaaac ttcatttctc 180
ccagccaaga aaactagtgt taaagaaact cagaggactt ttaaggggaa cgcacaaaaa 240
atgttttctc caaagaagca ttcggttagc acaagtgata gaaacca 287

<210> 893
<211> 300
<212> DNA
<213> Homo sapiens

<400> 893
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ctggtcagtg agtctcctgt gcctgagtga gggatatcgg gacctggggg ccctgccccg 120
agcacctccc acccactgct agtgctgggg ctttgtgagt gttccaactt catagccgag 180
agttggagga caaggctggg gcagggccga ggaacggatt gagtcctgcc taagcctcgg 240
gacatctaaa cagctctggc tctgccagac ctcaggtgtg accctgagcc attttccttc 300

<210> 894
<211> 300
<212> DNA
<213> Homo sapiens

<400> 894
aattccgttg ctgtcggcta ctttaaaaag tcgttcattt ttgttctcag atattttctc 60
tccagtatac ctatcactgt tgaatgttcc ccccaacttc ccagtagttt ggtttttagc 120
catttcatac caatttatac ttgtgctatg ataacttttc taaagtctaa aacctaaaca 180
aatagctggt ggtgatatta ctttatgttc ctgaggtgta gaaagctctt cagaatagct 240
tctgctcttt gtgagctcca tatggcagtc aaaattaatg aaattaaaaa acaccatgcc 300

<210> 895
<211> 275
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(275)
<223> n = A,T,C or G

<400> 895
aattccgttg ctgtcggtca ccagtcctct tccttcactt cttgttgtaa ttgcagccat 60
tttcattgga ttctttctag ggaaattcat cttgtagagt gaagcatgca gagtgctgtt 120
tctttttttt tttttctntn gnccaaaaaa aaattngtta nccanccntt nnntgggaag 180
aaggncccnn gggnnccatt ttttnggggg ancngggnca aaaaggcttg gcnttaaagg 240
ancnttaang gtnaaaaanc ccattaaaac caaac 275

<210> 896
<211> 300
<212> DNA
<213> Homo sapiens

<400> 896
aattccgttg ctgtcgaaag acctctagac tgtgagctca gttatggaga acaaaaacag 60
cttcatagtg agtagaacac cgaggataaa cactggggcc atgggtcctt tctgaggcag 120
cgccacagaa gatctttgtg gtccttccgt agttctgtaa gtctgtctcc taagtatggg 180
tagagaatat gtagcctgtt gtgtgtctcc cactacttgt aaacagagca tcacattagg 240
ggcagggagg aggtggaatg atatttgagg tgcttaaccc tactcgagga attaattatg 300

<210> 897
<211> 300
<212> DNA
<213> Homo sapiens

<400> 897
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atatgtttct gagatcactg gaagaagcta gcagtgccag gagcctaaag ccagctcact 120
gtttggtcgt ccagtggagc aggtacagct cacagtccct aagccaggga aacctggctg 180
acttccacta aagtcaagca agcctggtcg gcctcgatta gccaaggtgt ggactcttcc 240
tccaaagccc acctcagccc acctctgcca gggcagagaa gccaaaatgg tcacattgca 300

<210> 898
<211> 177
<212> DNA
<213> Homo sapiens

<400> 898
aattccgttg ctgtcgaaag agattgccga tgaagacccc agcctcgtga acttggataa 60
tggggacggt gcgacgccac tgatgctagc agctgttacg gggcatttgg ctctggtgca 120
gctgttggtg gagaggcacg cggatgttga caagcaggac agcgtgcatg gctggac 177

<210> 899
<211> 300
<212> DNA
<213> Homo sapiens

<400> 899
cttaggactg ggtcttgggg aggattagcg cctagatgtc tgattttgga gctgcagcat 60
gccaggccgt ggctgagagt atgtgagcca tgccttgccc ttttctgagg ctcagggaag 120
tggatggagc tagagagaca acaggaaaga cggtgctgaa gaacatagtg tctttcctct 180
attgtggacc taaagaggtg gggaagcaag gacaagaggc aaagagccac actgcccttg 240
gcatcatcca aagcattgtc tggttgacac caggtcctgg ttttgtgtct tttgtcaata 300

<210> 900
<211> 300
<212> DNA
<213> Homo sapiens

<400> 900
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cagccctggc ccaggttctg caagaggttg cgctttcctt ctgagtaggc tggagtgagg 120
ccctccagcc cacagcccag gggaagaagc acacgtgcac tttccaagcc ccacggccca 180
aagtaggcca ctgttaatgt cacagacaga aatcatggcc aacactggaa gggggctttc 240
cagtgagcgc ccctagcaag cctgatctcc cttcgtgttg actcttccgg ccagagagcc 300

<210> 901
<211> 300
<212> DNA
<213> Homo sapiens

<400> 901
aattccgttg ctgtcggaac tgtttatctt atcctcctca gtgatacatc atgaagttgt 60
gtgctttgcc taaaatgccc agttacctga aattgtataa attcttgcca aaagtgtttg 120
aacttaatac aaacttccca tctcttacct cttagcactg tgctcatctt gaggggacat 180
agtcccaatt ttgtatttta tataatactg ttagtgaata tgtgtagact tcatatggtt 240
gtgggtaaga gaatactgca ttcagataga aaagatgcta tatagctaag ttgatccagg 300

<210> 902
<211> 300
<212> DNA
<213> Homo sapiens

<400> 902
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ccgttttttg agcagacctg gtcccattgt ccccccctgtc tatggcttag aggtatctga 120
tgtctcgaag tgggaagagt ctgttcttga acctgctctt gaaatcgtgc aaagtttcat 180
ccagggccac aagcctacag ccactccaat aaagatgcca tacaatgaag ctgagaacaa 240
gagaagttat cacctgtgtg acctctgtga tcgaatcatc attggggatc gcgaatgggc 300

<210> 903
<211> 300
<212> DNA
<213> Homo sapiens

<400> 903
aattccgttg ctgtcgattg gaagcaaaac taataatact attagcaatg acaccagccg 60
agcagttgca gatccctctc gtatagaatc tgaaatgtgg atgatgctgt tataaacagc 120
aaagttagcc atagcaacat aggcactggt aatactgtgg gtgggtctaa gggtaacact 180
gttccctgat cttactgtca tcatctgcaa tctaagtaat gcagataata atggtgcccc 240

09345900.050402

ttggacttga cgccaatctc ttggtcctat tagaaccatg taggcagagc tattccaata 300

<210> 904
<211> 300
<212> DNA
<213> Homo sapiens

<400> 904
aattccgttg ctgtcgaaat actcctctaa agtagataaa ctccttgagt aaagagaagt 60
ttaccatagc aactttcagt agtacttcaa agaagatagc tgtataaatg tcatcaaact 120
atactatgta gagaatctta agtgataacc agggtcacgg attccaaaca tgtcattata 180
aattgtttta tatggtgctc actggtgcat ttttcctttt ggataaggga aaacattatt 240
ccacttactg tttttgcttt aagcagcctg catatattgg ttagtttgtt cagatgttgt 300

<210> 905
<211> 296
<212> DNA
<213> Homo sapiens

<400> 905
aattccgttg ctgtcggaga agttgagtgg ttgggacagt ggtccccttc gtggtggaaa 60
gaacactgcc tcagataatg tgtggctttc ctctggtcag aggcccaaat gagtggacaa 120
gtactgtgat ttctcaagcc cctatgcagt gttagatgcc actatgaaat acgagccatt 180
gaaagagatc tcttcaactt attatttttt atcacgaacg tacatatcag ttatttatga 240
gatttttttt tttaaatatt tcatttttt tcacgacttt ttctgccatt gaatta 296

<210> 906
<211> 300
<212> DNA
<213> Homo sapiens

<400> 906
gtggtaatat ggggtgttca gtccccataa gatataatag ttcatgcagt ttatatatta 60
aagtatccag tggaactaaa tgtacaatat attcctaagt gcttgccttt ttcactgtgc 120
tgaccagctg ttcaagccac ttcagtttga gtacaacata ccaacatgac actactcacc 180
cacaaaggac agcattggga tcaggctttc agatgacctc taagattttt cccatttatt 240
gtactcttgt tacaaagtac tttttaacac atgcagtcaa tggctataaa aactattctg 300

<210> 907
<211> 200
<212> DNA
<213> Homo sapiens

<400> 907
aattccgttg ctgtcgcttt acttaaaaac tattaacagt ttttcatgtt gcactggtgg 60
taatttttgaa cttggaatta ctgggtggga attccaggaa ccacagagta ttgatttttg 120
ctgccaaaat gctcttgaag cagatgtccc tgtgctcccc tggctgcttc tggctgaagg 180
ggggaggtgt gggaggtttt 200

<210> 908
<211> 300
<212> DNA
<213> Homo sapiens

<400> 908
aattccgttg ctgtcgcttg tttttccaca cagtggagct gtaactgcac taagatggag 60
caaacagatt tccaaagagg aagattcagt aaattatagt gagaattgac aagaagtttc 120
tgtttatcca ttgaccagag aagggaaata attcatcaag tttagtttga aggtctcagg 180

atgttgaaat cagactttta catcttaatc cagtgagaat gaaaaatgaa ctacttatag 240
tgtctgccca tgacaagtca tttctttgct tagggatgca aatcgtatca cacagtggtc 300

<210> 909
<211> 300
<212> DNA
<213> Homo sapiens

<400> 909
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gcctctcccc tctccaactc cagattcctt ccccacatac ctggctattc agtatcttct 120
agcatttgct actcatttgt ccaagaacaa ggccctctac tcccctgcct ttttggttgt 180
tgttgttgtt tttgacagag tcttgctctg ttgcccaggc tggaatgcag tggcatgaac 240
acagctcact gtagccccaa ccttccaggc tcaagtgatc ctcctacctc aacctcccta 300

<210> 910
<211> 300
<212> DNA
<213> Homo sapiens

<400> 910
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ataaatcatc tagcaacatt tacatttaat taggaaatct aacttgcttt taaaagttac 120
ccacgttgca tataaaaatc ttgctattcc ttgtgtcttg gctttacata agcacttttg 180
ctcatgtgac tttgcacttt gcacttattt taatcctctt taaagggcta caggcaaatt 240
ctactttgcc ataatcacac taaggcatgg aagaacaact tgcccagaat ctagcaggtt 300

<210> 911
<211> 300
<212> DNA
<213> Homo sapiens

<400> 911
agaatacaag ccaaaacatg gcttcaaaag gtcagctgca tcttcactgg attacagaat 60
tcttgctgac tctcagaaga aattgttgga gagaatagtc atacctactt taaaagagaa 120
taaatagcct ttcctaaatt cctctgcttc gctcctttcc tggcgttgct ctggaacctt 180
gttggtgtct gtgacccaat gactgttagg gtcagctagc ttcaattgcc cctgcactgg 240
aagcaaggtt tgtcagtaac accaattaaa atactaccag tgtaagtaga aggtgtgttt 300

<210> 912
<211> 300
<212> DNA
<213> Homo sapiens

<400> 912
aattccgttg ctgtcgccat ggttaggaag aactgttcca catacacctg acattggagt 60
cagtttattg atatgtttgg agattggcct ttcaacagtt ttcatatttg aagaattaga 120
aatgaagtcc gttcagattc tccaaagaac ctccagccac tggtggggga cattcttaat 180
tcacattcct atcagttggt atctcctgtc cctgaagaca ctgatgaggc ttgggaggag 240
aatcccacct ttccctgcag ggggttaggc tgggcagggc agggaggtga gggcgctggt 300

<210> 913
<211> 300
<212> DNA
<213> Homo sapiens

<400> 913
aattccgttg ctgtcgattc aagcactggt ccttgggtgt ctgacctcta cattctagtt 60

tatgcaatgt ctttagagaa ttttgtgcac tggccactgt gatggaacca ttgggccagg 120
agtgctttga gtttatcagt agtgattctg ccaaagttgg tgttgtaaca tgagtatgta 180
aaatgtcaaa aaaattagca gaggtctagg tctgcatatc agcagacagt tttgtccgtg 240
tattttgtag ccttgaagtt ctcagtgaca agtttttttct gatgcgaagt tctaattcca 300

<210> 914
<211> 300
<212> DNA
<213> Homo sapiens

<400> 914
aattccgttg ctgtcgctgg cctctgtgcg gcgggctctc tgccagctgc agtgggacca 60
cgagcccagg acaggtgtgc ggcgtgggac aggggtgctt gtggagttca gtgagctggc 120
cttccacctt cgcagcccgg gggacctgac cgctgaggag aaggaccaga tatgtgactt 180
cctctatggc cgtgtgcagg cccgggagcg ccaggccctg gcccgtctgc gcagaacctt 240
ccaggccttt cacagcgtag ccttccccag ctgcgggccc tgcctggagc agcaggatga 300

<210> 915
<211> 299
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(299)
<223> n = A,T,C or G

<400> 915
aattccgttg ctgtcggctc atcctgagaa agatgagtta atccttttg gaggtgaata 60
tttcaacggc caaagaactt ttttgtataa cgagctctat gtctacagta cccgaaagga 120
cacctggacc aaagttgaca tacccagtcc acctccgagg cgctgtgctc accaggcggt 180
gataagtgcc ctcaaggtgg cggacagctg tggcnctttg gaaggnngtt ngcatctacc 240
aacngagagc aaatntaatn ctntgacggt atgctncttc cngttgccca cttcctctg 299

<210> 916
<211> 299
<212> DNA
<213> Homo sapiens

<400> 916
aattccgttg ctgtcggcag tttcccgtta ttttcttgct tgtcgttccc ctacatttcc 60
tcctgatttc ccaagactct ctttgtggct tttgagggtc agccaaggag caggcaagtg 120
agtgaacaat cctcaggaaa agaaggacca ttttagctta acacttcctt tttttttta 180
agaagaatat aggtaaacag gtaatgattc ttgattggag ataccatttg actcttgatg 240
aaagttgtac gaagatggaa atgagggatg attccaggcg ttttaggggg aaggctgca 299

<210> 917
<211> 300
<212> DNA
<213> Homo sapiens

<400> 917
ccaaagtaac acaaatgctg ccttcaaaat gaaaaccagt tttctgttta ttcttgctaa 60
atgtttatgt aatataaatg tagtatgggt tctggttgat gttttgtgaa aattatgttc 120
tgtttcatcc agcgcaagta tttacttgat ctgatttctt cttgatacag gttaaatggg 180
ccagggaaaa ctatcaccat aacattggct caccatattg cttacggtta gcttctgctg 240
atgtcaatgg gaagatcatc gtctgggatg tagcagcagg agtagctcag tgtgagatcc 300

<210> 918
<211> 300
<212> DNA
<213> Homo sapiens

<400> 918
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atttgtacct tctcaaaata gtgattcatt tttcctagaa ttacaggagg gagctctttt 120
actaatgttg ttttgtttgc aactttgatg gcttataata ggaagtattc tagttgtaaa 180
gaaaactctt tagagacttt tgactggtca gtatactgag gtgtgagatt tgattcatga 240
tgaagaaagc ctatagattg ccaaaaaatt aattctccaa accacctttc actctcagaa 300

<210> 919
<211> 206
<212> DNA
<213> Homo sapiens

<400> 919
gagaagatga ccgagagact cttgtcagcc aatgcaggga cacactctgt gttaccaaga 60
actggctgtc tgcagatact aaagaagagc gggatctctg gatgcaaaaa ctcaatcaag 120
ttcttgttga tattcgcctc tggcaacctg atgcttgcta caaacctatt ggaaagcctt 180
aaaccgggaa atttccatgc tatcta 206

<210> 920
<211> 300
<212> DNA
<213> Homo sapiens

<400> 920
aattccgttg ctgtcggcgc ggaggagaag tggcgtcgag tccggccggg cagtagagga 60
aattgcggta gtgaccctcg ggcctcgcca tgaagagccg ctttagcacc attgacctcc 120
gcgccgtact cgcggagctg aatgctagct tgctaggaat gagagtaaac aatgtttatg 180
atgtggataa taagacatac cttattcgtc ttcaaaaacc ggactttaaa gctacacttt 240
tacttgaatc tggcatacga attcatacaa cagaatttga gtggcctaag aatatgatgc 300

<210> 921
<211> 294
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(294)
<223> n = A,T,C or G

<400> 921
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tttctaaaaa atgaaacagt gttaagcgaa ctgttgttcc tagctttgta ctccatgttg 120
tcaaagcatc aacaatgaaa attcgattag gaaactttat ttaaaatttt aggcntnctn 180
tattcantcg tantnanngc cannctttaac ccattgnatg aaaatctang actgtnttga 240
agcaagcann catnacatct tntangnagg naatantcnt gcctttgcat aaaa 294

<210> 922
<211> 300
<212> DNA
<213> Homo sapiens

<400> 922

aattccgttg ctgtcgccca cacagtttgg catgaaatgg tcacttccgc atctagagca 60
cacattattt ttctgaagca ccctgttgaa tgagaggaat acatacgtgc catcataggt 120
tgaaaaagtg atcttttcag cataaattgg tgggtgtttg agagcattac ttgcacagtt 180
caacaataca gagctggaaa tgcataaaga ggacattccc tgctagtcaa cgaatacata 240
gatctgtagc tggaaattag ttttaacttt caagtagtca agaaactttt atgtccaata 300

<210> 923
<211> 300
<212> DNA
<213> Homo sapiens

<400> 923
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ggaacagctc cctcctcttt cccagagctg actggaaggt ctgtctcatt ctacacactg 120
catttgttac agaaagggac caagtgggga aaataaagaa catggaacag gctgagagag 180
agggcagctc cattcaaagg acctaggtgt atgccaaaaa tgagaatgaa gattgaccag 240
cgacttcttt ggcagagacc tgggcaggct ggctgatgga gagctggggc ctgtgaatac 300

<210> 924
<211> 300
<212> DNA
<213> Homo sapiens

<400> 924
caagcgcaga cggaaccgcg atggtggcac ctttattagt gatgcagacg acgtcgtgag 60
tgccatgatc gtcaagatga atgaagctgc tgaggaagac agacagttga acaatcaaaa 120
aaagccagca ctgaaaaaat taactttact gcctgctgta gttatgcacc ttaagaagca 180
ggaccttaaa gaaacattca ttgacagtgg tgtgatgtct gccatcaaag aatggctctc 240
acctctacca gataggagtt tgcctgcact caagatccgg gaggagctgc tgaagatcct 300

<210> 925
<211> 300
<212> DNA
<213> Homo sapiens

<400> 925
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catccgctat gaaccaaaat gtcctcttgg agtagacata tcaaaagaag ttggagaagc 120
ttccataaaa gtaccacaat taaaaatgga gatatgattt ctgctgttca aaaaagtccc 180
taaagggtct cactctctga cctcagctgg agtacagtag ccagatcaca actcactgca 240
accctgactt cctgaactca agaaatcctc ctgccttagc ctcttgaata gccgggacta 300

<210> 926
<211> 300
<212> DNA
<213> Homo sapiens

<400> 926
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ggggaagcct tggctccagc cttcagggca gtgggtgcct ttgggaacca agtttaggca 120
tggcccagaa cacagtatcc aagtcggctg tgctgacctt ttcatttcac ttcatttcat 180
tatgttcttc tatgtttatt ttcacagagt ctcatccaag aaaaacaaat gtttaccttg 240
ctacctttt cctcttccaa ataaaaatag ctttattgtg tcacatgggg gaaacgtaga 300

<210> 927
<211> 300
<212> DNA
<213> Homo sapiens

<400> 927
ttttgcttgc attaccccaa agtttctttg tcacttactt cctgtgcaga agttgtctac 60
ctattctaga ttatggaaat aactcagatg aggtagacaa cttctgcaca ggaagttgtc 120
tacctattct agattatgga aataactcag atgagcttcg tcagcaagaa ggaagatgca 180
tttaacattt tttcccaagg ctaaactatg tactataagt tattcgaatt agataaaaac 240
aggaaaaaaa tatatcacta tagaatgtct agaaaagtgg tttatgtttg ttcaactgtt 300

<210> 928
<211> 300
<212> DNA
<213> Homo sapiens

<400> 928
aattccgttg ctgtcggatc agccagttta gaggacctgt gggaaaatct gagtttaaag 60
cctgccaact cccctcatgt aaatatctct acaaccttgt ctccacaagt tattaatgaa 120
gtgtggcaag aagaaacaat tgggcgtcta ctacaacttg tagaccttcc acttcttgac 180
tccttactga aacagcaaga ggctgtacct aaaattcctc aacctaagag gcagtccacc 240
atggtcaaca gcagtaacta tctggatcga gggattctca aggcttatag tgactctcag 300

<210> 929
<211> 300
<212> DNA
<213> Homo sapiens

<400> 929
aattccgttg ctgtcgagat tttggagttt gacttgaggg gtataccact ggacttttca 60
tcttccggtt gggattattg tgaaggattt tgagacaatt ggacaaaata aattaattgg 120
cacggcgact gtagccctga aggacctgac tggtgaccag agcagatccc tgccgtacaa 180
gctgatctcc ctgctaaatg aaaaagggca agatactggg gccaccattg acttggtgat 240
cggctatgat ccgccttctg ctccacatcc aaatgacctg agcgggccca gcgtgccagg 300

<210> 930
<211> 259
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(259)
<223> n = A,T,C or G

<400> 930
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tttcattctt tcctgtagga ttttgctaca aataactttg ggaatgnatn aagtggaatg 120
ntaantttnc agngngccnn anntntnntt tttntctcgt anttgngaat tcgnttnntt 180
ntgttttttn nnttnncaat tttctttnta antncntngt gnntntnanc nnntggtttg 240
ggtntnanat tgnngttna 259

<210> 931
<211> 300
<212> DNA
<213> Homo sapiens

<400> 931
aattccgttg ctgtcggaga ttgttgtctt gaactctggc actgtacagt gaatgtgtct 60
gtagttgtgt tagtttgcat taagcatgta taacattcaa gtatgtcatc caaataagag 120
gcatatacat tgaattgttt ttaatcctct gacaagttga ctcttcgacc cccaccccca 180
cccaagacat tttaatagta aatagagaga gagagaagag ttaatgaaca tgaggtagtg 240

ttccactggc aggatgactt ttcaatagct caaatcaatt tcagtgcctt tatcacttga 300

<210> 932
<211> 300
<212> DNA
<213> Homo sapiens

<400> 932
aattccgttg ctgtcgtctt ggagctttca tttactaatg aggaacaaat gatagtcatg 60
ttatgacaat gtgttataaa ttaacaatcc tcttttaaac tagatttata aaacctacac 120
acttgagggt ttccatttgt tctatctaga tgtattttga gaaatctgaa acaaaagctt 180
gttttttttgt ttgtttgttt gttgtttgaa acagtcttgc tctgtcaccc agcctggagt 240
gcagtggtgc gatcttggct cactgtaaac tcggcctccc agattcaagc gattctcctg 300

<210> 933
<211> 300
<212> DNA
<213> Homo sapiens

<400> 933
aattccgttg ctgtcgggtt tctcttgaat tattttggaa caatgccagg atccaaactg 60
attaagttac agtttaagca cccttcagta ttaatatata cggtattata taacaggtca 120
acaagtgctc tttgatgata aaacttgtaa tagagcaata attgtaaatg gttaccatac 180
tgtaagatat tttgataaaa attaactagt aatacttgta tttatttgaa acactgggct 240
gtttgcacag ctccaactgt gcatgctcaa aatgtgcact ttttaaaatt gttacttta 300

<210> 934
<211> 300
<212> DNA
<213> Homo sapiens

<400> 934
aattccgttg ctgtcgagat tttggagttt gacttgaggg gtataccact ggacttttca 60
tcttcccttg ggattattgt gaaagatttt gagacaattg gacaaaataa attaattggc 120
acggcgactg tagccctgaa ggacctgact ggtgaccaga gcagatccct gccgtacaag 180
ctgatctccc tgctaaatga aaaagggcaa gatactgggg ccaccattga cttggtgatc 240
ggctatgatc cgccttctgc tccacatcca aatgacctga gcgggcccag cgtgccaggc 300

<210> 935
<211> 291
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(291)
<223> n = A,T,C or G

<400> 935
aattccgttg ctgtcgcaaa ggatagctgt ggttgcattt tttcctgaga atggagtaag 60
tgattttcaa aaagcacaaa taattggcag tcagagagaa aatggatggc cagtgggtgt 120
tgagtcagat tttgnncnnt nncacacann nataacaana nnttttaang atccngcncc 180
tacnngcttt cntactgcgg anacctgnnn acatcttact attccnnctc tncntncacc 240
gnngccgant acctacgnan nnngtnatcn tncttgcgca tntttgaacc t 291

<210> 936
<211> 300
<212> DNA

<213> Homo sapiens

<400> 936
aattccgttg ctgtcgaagg aatggttgtt cgcattaaat ccatcatctt gagcactctc 60
actctgcttt tatctaatgt tccccttttt ttctctgttg ctttcctgaa gtagagagtg 120
attttgtata agtgtaggat aaaatgtttg agcagatgac aagaaagtct ccattctgag 180
tctctgttct ttccaaatta ttaaactgca gggaatttgc ccatatccct gggcaggtaa 240
cactacacaa gagggagtgg gttgagcata ttatgtatat agatgtgaaa tacagctgga 300

<210> 937
<211> 300
<212> DNA
<213> Homo sapiens

<400> 937
aattccgttg ctgtcgtatc tatccatact atgattatta aatcttatgc ggtacctaaa 60
cacaccacac ccttttgtgt tatttctgtt cttttctaca cgttcttccc actgattgga 120
gcacccctct gactcactgg ctaactgcta ctttttgttc aaaaatcagc tgagagggca 180
actcatctgt gaatttttttc ttgacttccc tcctcccagg ctgggttagg tgcctcccta 240
tctcttttttt tacttaaatt ttttttcttt attatttctt tatttttttg agatggagtt 300

<210> 938
<211> 300
<212> DNA
<213> Homo sapiens

<400> 938
aattccgttg ctgtcgaaat aagaagaagc aactgtacaa accatgtaag taaacactca 60
aatacttaag aaattgatag tttgacataa aaggatgtct ctcttgattt ctttaaatta 120
caatgtggac ctggtggtgg tagcatggac ctctttttgt ggattttcta aatctcttct 180
attttcctga gtattaaatt tatccagaaa agtgtttagt ttagcgtgtc caccttttaa 240
agatttctga catttaagtt aaatttcaat agtctggttc aaaagatctg ccttacggct 300

<210> 939
<211> 300
<212> DNA
<213> Homo sapiens

<400> 939
aattccgttg ctgtcggcag ctggatggac actatagcaa acatcaatca agagctcatt 60
aaatatgaat tcttccctga agccactcga agtgaagaag acttaaagaa ataccccaag 120
taccccctggg ggagagaaat ctatacttta gaaggtgttg tggatggagc tccatattcc 180
atgatttctg acttcccttg gctgaggtca ttacgagctg cagagcccaa cagcttcgct 240
cgatacgact ttgaagacga tgaagaaagc actatctatg ctcctagaag gaaaggacag 300

<210> 940
<211> 300
<212> DNA
<213> Homo sapiens

<400> 940
aattccgttg ctgtcgggag gacatagcca gggcggacaa catcttcacg gccactgaac 60
ggaaccgcat cgactacgtc agctccgccg tccgtatcga ccacgccccg gaccttccgc 120
ggccagaggt gtgttttata ggcagaagca atgttggaaa atcatctcta atcaaggctt 180
tattttcact ggcccctgag gttgaagtca gagtctccaa aaaaccagga cacacaaaga 240
aaatgaattt tttcaaagtt ggaaaacatt ttacagtggt ggacatgcca ggttatggct 300

<210> 941

<211> 277
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(277)
<223> n = A,T,C or G

<400> 941
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gtgtatgtat cctctagatg tagacaataa tgtcccattt ctaagtcttt tccttttgct 120
tctccttaaa ttgattgtac ttncaaattt gctgttangg naattntcta atacnnnnan 180
nanttagatn ctctantcga nctntntnnn ncnntnnctn tantntatac nntnatattn 240
tctnntaaan tncctntctc tntncnanta gcatctg 277

<210> 942
<211> 235
<212> DNA
<213> Homo sapiens

<400> 942
aattccgttg ctgtcgggga gaggatggaa aaggcaccat tacagaacag gtttctagcc 60
aaactttcta gatactactg gtgtcaaaga tgaaggtcat gtgcagccat gtaagattag 120
cccaaggagc cagctcaaac catgcacatc cagggcccag cttggaattc atgttctgga 180
ggccttggct gggaggcaga atctgtgaat tttaaaaaca ctttcatgaa tccaa 235

<210> 943
<211> 280
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(280)
<223> n = A,T,C or G

<400> 943
aattccgttg ctgtcggacg aattggaagt gctaagtatt actatttcat gtggaagtct 60
gaaaataact gcaccgaagt gttctgataa ataactaaat tgagctagtg agggggaaat 120
ttcagccgtc tagagagtgt ttctcttaaa tatttttttct ctcaagtgga aaggagtgag 180
ggggagagcg aggatcacct angcctcncg cctgngcctc tgccngancn ngacncaacc 240
tccttcaacc cncgnnaacn naaggnngag caccttcccc 280

<210> 944
<211> 300
<212> DNA
<213> Homo sapiens

<400> 944
aattccgttg ctgtcgagac tgcagacatc catacctcac cacagaccaa agatgacctc 60
gtgtcagact gtgggctgat gagaggtaga gcagcatgca tcgaggcctg agggtgcagg 120
gcgccctctc ttggcctgga ggaattgctc ctaactagag taagtttcca cgagggtccc 180
aggcagagct gcagagctgg aaccggaggc tccacagtcc ttgcctgctc atggacctcc 240
ttcagagcac ctttctacag actggactgc ccagctccgt ggggtggcat ctggtttctg 300

<210> 945
<211> 300

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 945
aattccgttg ctgtcgattt aacttcaagt gtgctgcgag aaaacttcat aatagttcct 60
aagatgtgct aaaaagtaaa gtccaaaaag atcataaagt ctgtagagaa gttctaagag 120
tgcagtcagc tataaaaacc tagcaattta atttcttaga aaaatgtagc tggagttcaa 180
actgtagtaa caaaggcaag taaattaagt tgtgggcagg tgtaattaag ttaataggaa 240
tggcagggat gaatataaat cagaacagga ctaacagnnt gaaacattan atattcaaat 300

<210> 946
<211> 253
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(253)
<223> n = A,T,C or G

<400> 946
aattccgttg ctgtcggttt gttgaaatga atggacaaac tcttaggata aatcctaatt 60
tgttggcaac tgttatttga ttttagaagg caaactgatt ttattttaga gaggggaagg 120
ngagggnagg ctcattancc tcttggaana angagganta ttnctgnnna tgaataggtn 180
nncancttan gtantgacng nnnttacttn tnattatgna ntgngnnttg ncgttnnnna 240
gnnnnntana cgt 253

<210> 947
<211> 300
<212> DNA
<213> Homo sapiens

<400> 947
aattccgttg ctgtcgcgcc ccggcccccc tcctgccccc tcttcccgcc agcccgcctg 60
gagcaccagc ctcgcgcgtc cggaggaacc ttggcttggc gccccatcct ggtagcctta 120
aacttcatag cactttgtgg tttttcttaa aactctgagc ctgtgcccgg gcggatcacc 180
tgaggtcggg agttcaagac cagactgacc aacatggtga aaccccgtct ctactaaaaa 240
tacaaaatta gcccggcgtg gtggcgcatg cctgtgatcc cagctacctg ggaggctgag 300

<210> 948
<211> 300
<212> DNA
<213> Homo sapiens

<400> 948
cgttgggcga gatgaagcta cactgtgagg tggaggtgat cagccggcac ttgcccgcct 60
tggggcttag gaaccggggc aagggcgtcc gagccgtgtt gagcctctgt cagcagactt 120
ccaggagtca gccgccggtc cgagccttcc tgctcatctc caccctgaag gacaagcgcg 180
ggacccgcta tgagctaagg gagaacattg agcaattctt caccaaattt gtagatgagg 240
ggaaagccac tgttcggtta aaggagcctc ctgtggatat ctgtctaagt aagatggagt 300

<210> 949
<211> 300

<212> DNA
<213> Homo sapiens

<400> 949
ccctggtacc ccctgcccgc gccgatataa tgctttttcg ccccccctggg acctcggact 60
tgggcttccc tttggacatg accaacgggg cagccttggc agccaacagc aatggcatcg 120
ccggcagcat gcagccagag gaggaggcag ctcgggcggc tggtgcagcc attgcaggcc 180
aagcctcttt gcctgtgtta cctggggtgg accgcttgcc catgggggct ggacccctat 240
ccccccaact ggtgactttc ccattcccca gtgtggcatc cagtgccccc cccctgactg 300

<210> 950
<211> 297
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(297)
<223> n = A,T,C or G

<400> 950
aattccgttg ctgtcgagaa atttgaaacc agttgtcagt tttcaggtgc ccaggagcat 60
gacaatatgc ccgagggacc gtaacaggac ttgacatgga gctgggtcta aagcagatga 120
cctggtggct gcagcgtgtt ccacacaggc gagcactgtg aggccaaagg actggtgttg 180
agcagaatga aaaagcacag tgttggttaa tcctgaaaag tgaagcctgc aagaaatgaa 240
cttcgacctt ggagtggggg tgggacaggg gctanaagga anagaggctn ggaagtg 297

<210> 951
<211> 300
<212> DNA
<213> Homo sapiens

<400> 951
aagcaacggg tccctctagc tttgtgttgc agagactaaa ttccaggagg gtccagccaa 60
gaggtcaggg actccctaca cccaacttcc actctaggtg gaggctttac cataggtatg 120
gcaggccaag acacagggcc ttgatcaccc tctccatacc tcactcaaga tggattttcc 180
atgccagaag taagccaaga acaccagagg ctattgtctc aactgagccc ataaagcagg 240
catgtaactc ccagagagtc aggccgcttt cctcactcct agctccagag tgtaatgccc 300

<210> 952
<211> 300
<212> DNA
<213> Homo sapiens

<400> 952
aattccgttg ctgtcgcttt tccttttttaa agaaggctgc taattggatt ttggtagttc 60
ttacctcaag aaaacttgaa ttatttgggg gaaagtaggc tcaaaagaga atatatcttt 120
cacattcaca ttcagaaccc agcaacctgg agtccaattt tcagtatttt aactacctca 180
ataatgctat gaatgtaaga tattgggata gagatcccaa cttgaaacaa cagccagtgc 240
ctgtggtaac ttaatgtctt gtcaaatact tttattgatt ggtttatatg ccattcttgt 300

<210> 953
<211> 300
<212> DNA
<213> Homo sapiens

<400> 953
aattccgttg ctgtcgcttg tacagtattt ctacttttta ttctaatcaa ctggactgtt 60

gcattatttt tatgtagatt gctaacaagg tttttgaaga aacactctta aaagtcataa 120
aagggaaaat cttgacagtt ctgggatatt gccacccttg acctttttgga gaaatgtaga 180
cagcatctcc caggcatgac gcctagggat cgtgtttatc tgtcatcagt tggtgactcc 240
atgtttattg agcactggct ataagccaga cttggtgagg gactgaaaca attacaagac 300

<210> 954
<211> 300
<212> DNA
<213> Homo sapiens

<400> 954
aattccgttg ctgtcggaag aattgaaaga gcaagtcatg gaagtagaag aagatccgca 60
aaccataacc actgaggaga caatggaaga agacaagagc cagtcggatg tagattttca 120
gtcttgtgaa tcttgtacca acagtgatag agcagaaaat gaaaatggct ctagatgctt 180
ttctgaagat aataatgaaa caacaatgtt aattcaggat gatgaaaacc attcagaaat 240
gtcaaaggat tggcaaaaag agaagatgtg caataagatt aataaagtac attctgaagg 300

<210> 955
<211> 276
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(276)
<223> n = A,T,C or G

<400> 955
aattccgttg ctgtcgccca gtgcctgcac ggcttggtgg ggtgggtgca tggacatgcg 60
gccagctgcg gggccctgcc ccaccttcag aggacactgt cctccgagta ctgcggcgtc 120
atccaggtcg tgtggggctg cgaccagggc cacgactaca ccatggatac cagctccagc 180
tgcaaggcct tcttgctgga cagtgcgctg gcagncaagn ggccatggna cnaananacg 240
gcgccacggn tgncccacac cgaggnnnga accctg 276

<210> 956
<211> 247
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(247)
<223> n = A,T,C or G

<400> 956
aattccgttg ctgtcggtgg acacctctga tgaggaaagc atccgggctc acgtgatggc 60
ctcccaccat tccaagcgga gaggccgggc gtcttctgag agtcagggtc taggtgctgg 120
agtgcgcacg gaggccgatg tagaggagga ggccctgagg aggaagctgg aggagctgaa 180
cntgangnnn gngatcaggn gngcnnggnc gatgatgnng nagncnagtc tnnncngntn 240
ntcccac 247

<210> 957
<211> 300
<212> DNA
<213> Homo sapiens

<400> 957
aattccgttg ctgtcggtac gatacttaaa accatcacaa gctgcccaag caatagaaaa 60

ctgtgatcga agttttagag caatcttggc tgaacctaaa aataaagcat ctgaatcctc 120
tgaacaagat tattatagta atatgaggca agaagctttg ggacatgaac ctagagtaaa 180
tatgtttcca tttgaacaac aatctgaatt ttcaagtttt gacaagaatg atagccgagg 240
ccaggaagca atctccaaac gcttgtcagt tgtatcaaga gttcctttca ctgaagaaca 300

<210> 958
<211> 280
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(280)
<223> n = A,T,C or G

<400> 958
aattccgttg ctgtcgctgt gagccaacat tgtatgtgtg tggatattta caaatgcacc 60
gttggattct ttgtcgttca agtgaatgtt gactatttac aggtaaagaa ctctcttgtc 120
tttgtagata tcaggttatt tgaatcaagt aatatttgcc tatctattta tacattaata 180
tgtttaaaaa gaaatttctc caagaagaac attcgtcatt cattatttgn ttgatgagat 240
gatacttaca tttttatngt gtantcatnn nanatctaat 280

<210> 959
<211> 300
<212> DNA
<213> Homo sapiens

<400> 959
aattccgttg ctgtcgcaca ggactagcag tgagcaggca gatccctcag caccctgcct 60
tgccccatcc agcttgctgt cccctgaggc ctcaccctgc cggaatgaca tgaacactag 120
gactcccccc gaaccctcag ccaagcagcg gtcaatgcgc tgttaccgaa aagcctgcag 180
gtcagccagc ccctcaagcc agggctggca gggccgccga ggccgcaaca gccgttctgt 240
cagctctggg tccaaccgga ctagcgaagc atcttcctca tcctcatcat cgtcttcctc 300

<210> 960
<211> 300
<212> DNA
<213> Homo sapiens

<400> 960
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gttttaaaat ttcaaatgat ggtgttgtat cccttccctt cagacctgga atcacatttt 120
cccctcaaga cagaaagggc tctgcggcag gttgtgcctg ggaaggggct gcttctcatt 180
tgtggccacc tctctgccca ggagctggtg aggaagggtg aactagggga tgcctttcag 240
aacaaaggag gtgaggagat gagcccctcc acatctgccc caaatagaga ccggcgtact 300

<210> 961
<211> 300
<212> DNA
<213> Homo sapiens

<400> 961
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ccgctgcact ccagcctggg caacagagca agaccctgtc tcaaaaataa acatagtatt 180
agtacaatga aaagacaaat cgagaataga taatacaaaa atagccttat agtaaccaga 240
cttactgatg aatgccacag acccggagta tgtcacatgg tttatcaggt gaattaataa 300

<210> 962
<211> 300
<212> DNA
<213> Homo sapiens

<400> 962
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aataccagaa gctgatccaa agtggtcaga actggggaag gagacctgtg agctgaaagc 120
aggtaaagga agtatccaga cagaggcact ggtaaaagac ctggagctgg gaagggtcta 180
gggaccaggg acaggttgta ctgtaattct ggaaaccttg tgaggctcaa agaaaggggc 240
agagagctca gtgggaaata gaaaaggcac ctgaacagtc cagggatggc tttcgactac 300

<210> 963
<211> 300
<212> DNA
<213> Homo sapiens

<400> 963
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atgaaaccat cacaggaaag ggctgaaaga cggcaagttt tcactgggtc ttacccgacg 120
tgagccccca ctcctccata tggacctgtt ttggaccaat gaggcatcct cttctgtagt 180
cctcaacacg cggagctcca ccactcctga gcagtgtgac ctcaggtgct tgctgcagag 240
gcatcggggg tctctggcca gaggtgacat ctgaagcaat cgggatcctg tttggttttg 300

<210> 964
<211> 300
<212> DNA
<213> Homo sapiens

<400> 964
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aggtaagtaa aagtaatggg ggaaaggatt aggtggagcc tgtctaaaca ttctagtgtg 120
tcttggcaaa catagcctga aatgattctt aaagaactgg cattgtttaa tcaaatattt 180
ttaagggaga ttccttaatt gggaagttta gtctgtttgg ggttcaaaga gtaaatgagg 240
attagaaaat catggagaga ggctgggcgc ggtggctaac gcctgtaatc ctagcacttt 300

<210> 965
<211> 300
<212> DNA
<213> Homo sapiens

<400> 965
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ctgagtctgc tgaaccagca ccaccgcctt cggtgttggt tcaggaagtt gcccttgtct 120
ggtagggagg gtgagcctct gaaataaggg ttgggagtca tgcagtgtgg ccttggtccc 180
tggggggggt gttaaaactc aagagaaggg ggaggaaggg ctggggcact gccctgaagc 240
catttccctc ctcaccagcc cagacaccaa cccagggtgg cgggagccac attcatcccc 300

<210> 966
<211> 300
<212> DNA
<213> Homo sapiens

<400> 966
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tgcacctgtg gacagtgggt gggggcacta ctccccactc agagcacaaa tgcaactcct 120
tcccctacaa tcccatcctg agccattgca gggggcaggg aagttcaccc cccccaccac 180
ccccccgccc ccccgaagcc atgtcactga aaaggcctgg gggggatggt atatggccct 240

ttccccacca ggcgctaagg ggaacacccc cttccccagg tcttttattt gtttaagtta 300

<210> 967
<211> 300
<212> DNA
<213> Homo sapiens

<400> 967
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taaaatgtga aaaattggca ttaaacatca cttgggaaga gtttgtttct ttttagcttg 120
aggttggtaa aatggattta tttactccgc gccccccccc cctgcccccc gcttccattt 180
gggctgaata ctaaaaggtt tttagagaga gagaaagttt caggggggttt catacctca 240
gtttacaatc tgagaaacat ttttttttaaa agcttccttc caaacctgta gcacattgcc 300

<210> 968
<211> 300
<212> DNA
<213> Homo sapiens

<400> 968
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ctacacctgt gagatggcac ccttgtcctg ctgcatattt taagagttct gtttagtcca 120
tcaattgagg tcaggaaaat gaacgtgctg aaagataata tgtaatgata ataatttgta 180
gacataaatg ccagccgtgt ctgttaacta tttcaggtga tattgtacta aatctctgaa 240
atcacctgtg atgaactttt aaaataaata aaacttttaa gtcacagtgt gattataatt 300

<210> 969
<211> 300
<212> DNA
<213> Homo sapiens

<400> 969
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attaactagc aatgcttaaa gaggtagtaa atacaagcca atccattttc attccagctg 120
catttcatgc ttcagagtaa tggctgttag ccagaatcac ttgtgaagct ttatacacat 180
atacattctg tgatcttatt ccctgtaaac ccctattcag tagtcggtct gtgatgaaat 240
cccaggcatc ttcattcagg ttaaaaaaaa tatatatatg tctacatgaa attctggtat 300

<210> 970
<211> 300
<212> DNA
<213> Homo sapiens

<400> 970
aattccgttg ctgtcggttc tcatggctat ggctaaagtg taagagggta agcctccttg 60
tacaagctca tgtaagattc ttgcttatgt cgtgactact cacatctcat tggccaaaac 120
aatgcccaaa tttgccaaag tccatggatg ggagggattg caatgttata ttgaaaaagc 180
ttgatacata gaggggtgga gaattggagc cagtcattca acctacccca tatcctttgc 240
acagtcacat taaataatga ataacatatt tcttatttga ttatttaatt ggttatctcc 300

<210> 971
<211> 300
<212> DNA
<213> Homo sapiens

<400> 971
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gaaaccagag ggcaggggcc tgtggctcct ggtgaaacct tcattcattg cctgtgggca 120

2004250150-05-12-05

ctgaggtcat caagttcagg ggtcactcat ggcagggatg cctggtactg agagactcag 180
ggctcctgcc tccctcctgg gactgtgcaa aagatccctc cccccagctg ctgccccacc 240
ctgatcaggg gaggggggctg ggcaacctag ttgggggaga gggggccact ccctgtcctc 300

<210> 972
<211> 300
<212> DNA
<213> Homo sapiens

<400> 972
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cccactgctg cactcaatga aagcctggtg gaatgtccca agtgcaatat acagtatcca 120
gccactgagc atcgcgatct gcttgtccat gtggaatact gttcaaagta gcaaaataag 180
tatttgtttt gatattaaaa gattcaatac tgtattttct gttagcttgt gggcattttg 240
aattatatat ttcacatttt gcataaaact gcctatctac ctttgacact ccagcatgct 300

<210> 973
<211> 300
<212> DNA
<213> Homo sapiens

<400> 973
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gaagatgctt ctggtagaga gcatttaatc actctcaagt tgaaggcaaa gtatcctgca 120
gaatcaccag attatttgt ggattttcct gttccatttt gtgcctcctg gacacctcag 180
agctccttaa taagcattta tagtcagttt ttggcagcaa tagaatcact aaaggcattc 240
tgggatgtta tggatgaaat cgatgagaag acctgggtac ttgagccaga aaaacctcca 300

<210> 974
<211> 200
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(200)
<223> n = A,T,C or G

<400> 974
aattccgttg ctgtcgggac agtgtaggtc taggagacat taatactcac atccactaaa 60
catcaaggta cagttatttt gagtgccact aagaggtgaa tgatgtttcc agagaccata 120
acatgaaccc acttggtctg taggttaggg gtggcctctc tgtggtgggg ggangggatg 180
nnnnnnnnnn nnnnntnnng 200

<210> 975
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 975
tttttctact ccttcttttt gcagnttccc atttnattcg aattccgttg ctgtcgaaag 60
aatccacact gcccaggtcg gggagcagtg gtggccagca gccctcaggg atgaaggagg 120
gtgtcaagag gtatgaacag gagcatgctg ctatccagga taagctcttc caggtggcaa 180

agagggaaag agaggctgcc accaagcact ccaaggcatc cctgcccacg ggcgaaggca 240
gcatcagcca tgaggagcag aagtcagtcc ggctggccag ggagctggag agcatagagg 300

<210> 976
<211> 300
<212> DNA
<213> Homo sapiens

<400> 976
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agcagtgggc agctgggagc tgcgactcat tcaaagagag ggagttagtg cagggtaccg 120
agatcaggaa gaggagtggt gcagaggtgg gaggtgatga gactcaagac tacagagaga 180
agaaagggcc ggcagcccag atcccagccc caccctcct gccctgcatt caggcagagc 240
acagagggat aaagagggag gtgggttggg ggacaaggca gagatgcata tacctgggac 300

<210> 977
<211> 300
<212> DNA
<213> Homo sapiens

<400> 977
aattccgttg ctgtcggtaa gttatatctc ttaactggat tctatagttt tatctcgagc 60
aacttggaaa agctaagaca tcctccaccc acactggtat ctacgcgcct ggaagctgca 120
ccttctctca ttgctgtgct ctgctttaag gaaaacctga tatgacagaa tcaagactat 180
taaaagataa atgaggggaa atcttcattt aagaaagttg ccttgctccc caagagtgcc 240
tttaattgct attcccctag gcatctgggt gcatatcatt aatgaaatca ttaacctttg 300

<210> 978
<211> 300
<212> DNA
<213> Homo sapiens

<400> 978
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ttgggcattg gcaccaattc ttcagtacca attctaggag gaacaatggc tgttagccat 120
ttcccccaca tatctgagct tcagcatttt aaataagcaa caagtgggta tggtttattt 180
ttggaaccag cgtgaaggca gctgacacaa ctcatctggg ttgcctggtg cttgcagggg 240
cccaaatgca taacagaaat tctttgtgct tcatatagat gaatttgaac agttccacct 300

<210> 979
<211> 300
<212> DNA
<213> Homo sapiens

<400> 979
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aatatcacac tcctaatatc acagcctgtg atagcattcg gaatatccaa aagggatggt 180
acttttaatg tcacatgggg tgcacaccct ttgataatat tcgtaagatc ctagggacat 240
atgacttcaa atatcacatt gggtgtacac acatggtgta cacattgtgt gtgaacacct 300

<210> 980
<211> 300
<212> DNA
<213> Homo sapiens

<400> 980
aattccgttg ctgtcggtgt gactgcctgc cctcctctgc ctcagtggcc tgactcagtg 60

gccaagggac ctatccatct ctgaggtgag agctttcctg tcttgactgg tctccaagac 120
aaggtgaaca gggacctcac ctctacctcc ttcttagggg gcgagaacag tactgcccca 180
gtcaagagga gcacggggga atggggggtc cccacccagt ttcaagaccg actccgcctc 240
cctaggagta tggatgtaga aagatatgtg accccacaat agcaatgggc aaccctggac 300

<210> 981
<211> 300
<212> DNA
<213> Homo sapiens

<400> 981
aattccgttg ctgtcggtca cggtactttg cccaaagtca ccccgatgtc aagcgttaga 60
gcaagaattt gaaccccaga gcttaactct taaccatttt gctaactggc tgtctctcca 120
ggcccccatc acccttttcca tcaccctccc ctgccccagg ggcatcctat caaatggcag 180
ttcccccctc gcttgcctca gcatctccaa tttagagctt catggatctc ctcctgttga 240
agtcatggga tggatttccc atctcagaaa ctgcacaaga aacaaccttg gagttttgaa 300

<210> 982
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 982
aattccgttg ctgtcgagat gaacagcccc caggtcccac cctcccagcc gctgcggccc 60
tgggcagggg gtgatgtgcc ccacaagaca catcaagccc ctgcctctgc ctcgtcactg 120
cctgggaccg gggcccagtt acccccccag ccccgatacc ttggtcgtcc cccatcacca 180
acctcaccac caccccggga gctgatggat gtgagcctgg tgggcggccc tgctgactgc 240
tccccacctc acccagcgcc tgcccccccag cacccggctg cctcagccct ncggactcgg 300

<210> 983
<211> 300
<212> DNA
<213> Homo sapiens

<400> 983
ctggccctca cctcccgccg tagctggctg tgacgcccgc catgggcaca ctggggcagt 60
gcagtgagaa gacgaggatg cccagcaggc tgacaacggt gcagaacagg cagaacttga 120
tgaccgcgga gccccggagc ctgagcttgt tcacaaagaa gccgcccagg aaggtgccgc 180
caccacccgc tggcaccacc agcctctcac cagagcagac tgtcggcctc acatcacccc 240
cacctgcagg agggcggctc tttcctctcg gccacaccta gagcctggtt ccgatgaacg 300

<210> 984
<211> 300
<212> DNA
<213> Homo sapiens

<400> 984
cccgggccag cgtcacagtt ggaggagagc agattagtgc cattggaagg ggcatatgtg 60
tgttgctggg tatttccctg gaggatacgc agaaggaact ggaacacatg gtccgaaaga 120
ttctaaacct gcgtgtattt gaggatgaga gtgggaagca ctggtcgaag agtgtgatgg 180
acaaacagta cgagattctg tgtgtcagcc agtttaccct ccagtgtgtc ctgaagggaa 240
acaagcctga tttccaccta gcaatgccca cggagcaggc agagggcttc tacaacagct 300

<210> 985
<211> 296
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(296)
<223> n = A,T,C or G

<400> 985
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caaaagggaa tgttctaaaa ctttttcttc cttaaaaatg gagaaaattg cacttgtgct 120
tgctgtgtgg tatataaacc aggattagtc ccagggtcgt gaggtttctg gtgaaaaggt 180
taaatcgtag aagctagtat attttttata tttttgtaac aattgctttt ttcatggggg 240
aggcggggta ngtatttata gncctaacaa gtccagtaat tttttataaa tcttca 296

<210> 986
<211> 300
<212> DNA
<213> Homo sapiens

<400> 986
aattccgttg ctgtcgaggt gcaggtgtta gtgcaggacc ggaagggtga ggtgtcctag 60
gcctcggggc tcctggcctg ggctggctga ggcaggactc tgccaaaagt cccctgccag 120
gcctcatggt ggtgctcctg gtggcagtgg ctctctggcc gcgggccctg tctgtgtctc 180
cgtggtggct ctcacagggc tctccagaca ctccttgact gcatccttca gtcttggccc 240
ctaggcctgg ggccccttgg gagcttgcct gacctccctt cctgggctgg gtagccatgg 300

<210> 987
<211> 300
<212> DNA
<213> Homo sapiens

<400> 987
aattccgttg ctgtcggctg agcatactgt aatagtcata agtttaattt cattataata 60
aaaataatca aacaaaagga ctttagaacc caagacaatg agctagtttt ccctaaagtt 120
tgctgaacta ttaaggaata tgttcttata gcttttgact agaatgagtc atgggaattc 180
taagaaggga tggcctagac atttttagct cagttaaatt cagcatttaa tgcaggtgag 240
ttcctgggtc gttttccaac tagtctggaa cagtctggtt ctgactcaaa ctggtataaa 300

<210> 988
<211> 258
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(258)
<223> n = A,T,C or G

<400> 988
cgacacgctg ctggcgctgc accagcacgg ccactcgggg cccttcgaga gcaagtttaa 60
gaaggagccg gccttgactg cagttgcaag aacngnaagg naaangaagn actntccaaa 120
atnanagngn gnaatacttc nnaganttct tgtgngttat tttnnnnana nacnttcata 180
ttnantttta ttttnatntn tatntnttat tnnnatttna nagnaatant tattnngatn 240
nntnttntan ttcattnt 258

<210> 989
<211> 300
<212> DNA
<213> Homo sapiens

<400> 989
aattccgttg ctgtcgggag gacttgaact cctcactaac atgtagaatt gggctatttc 60
ccactcgaaa gtactgacct ccagctttcc taaaatccca ccgcacatgg gctagcaatt 120
ctgagatgaa agcggaagct gtcattccca ccagtgtctc aggcgccagg gcagcctcct 180
cagggacgtc cctgcctcct cattgcactc cacaaccaca gcagagcatc cacagtcgta 240
attaggcaat tcttcttaaa aaatgttatg taattagcac accatagaat tccccatttt 300

<210> 990
<211> 298
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(298)
<223> n = A,T,C or G

<400> 990
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ggtcttagct ctggaggact ggtgatattt aaagcttagg gtgataagga ataggaatag 120
agagtgagaa cgaggggcca ggaaatgtag gaaagctaac aaagtatgtt attctaggaa 180
tgaaagagaa agtgtatcat ggaggatgct gatngnctgc ntcncacgtt tgtngnctag 240
nctcatngct ntaatnnatn nanntcttga ttntgtcatt tcntnannnn ctacctct 298

<210> 991
<211> 300
<212> DNA
<213> Homo sapiens

<400> 991
aattccgttg ctgtcgctca aggcttcaaa cagcgcagat aaatgcaggc aagaaaagat 60
gccgccgttg ctgccgtcac cgcctcctgg gtcgtccgcc acgggttgca ctgccgtggc 120
agacagctgg acttgagcag agggaacgac ctgacttact tgcactgtga tccccccttgc 180
tccgcccact gtgaccttga accccatgca ctgtgacctc ccccccttctc cccctccca 240
ctgtgattgg cacatcgaca agggctgtcc caagtcaatg gaaagggaaa gggtgggggt 300

<210> 992
<211> 300
<212> DNA
<213> Homo sapiens

<400> 992
aattccgttg ctgtcggttt cttaacattt ctagttgtct gcaaccatcc ctgtcttaca 60
ttacattatt aagttagttc tattacaaga ctaatgaatg acagaataga gcaaacatgg 120
actttggagt cagacagaca tgagtcagat aagagttcaa acccactgac tgccgtaaac 180
ttgggcaaga gatttaaccc tgtcagggcc tcagtgtact cattagtaaa ggtaataata 240
agtctgtagg aaataatacc tacatactta catttgacat atatttaatg ctccagctta 300

<210> 993
<211> 271
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(271)
<223> n = A,T,C or G

<400> 993
aattccgttg ctgtcggagt ttttgctatt atattttatc agatgctaac atatccctaa 60
cttctggctg attctttgct ttaatccttt ttatctatca gtcaccaaat acttaattga 120
ttccttttgc tgggaaaaaa gccaaaaaaa aaaaccaaac tgcccacaag gaacttaaaa 180
tcatttatgg ggattngnat ncagttnntn gncccanggg cgcggnatnn nngcnccccn 240
nnanntnccn gggnttangn ngtncccacg g 271

<210> 994
<211> 300
<212> DNA
<213> Homo sapiens

<400> 994
aattccgttg ctgtcggtga tttgtttcta ttaaaaataa ttttcaagtg gtttcttgta 60
ctttagtatg aagacattga gtaaatataa gaagcatagg aacagtattt agagaaatca 120
gtaacctttt gtttacccta ttttgaatcc taaaagaaaa agttcagtta tcatggccag 180
gcgcgatagt tcaggcctgt aatcctagcg ctttgggagg ccaaggcaga cagatgacct 240
cgtgattggc ccacctcagc ctcccaaagt gctggtatta cagatgtgag ccaccgcacc 300

<210> 995
<211> 300
<212> DNA
<213> Homo sapiens

<400> 995
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aaggggagag aattggaaag cccctggtta gctttaaggg cctctcagtg cagcagaaca 120
catgctggct ctattcataa ctttgctctc tggatcaata ttctgaaagt tggtacattc 180
ttttcatttg tgtctttcac agagggcagt aaaatttagc tctaattata tttagggcat 240
ctggattcta gtcagcattt tctggctccg ttttagaacc taaagtctgc ggcttattcc 300

<210> 996
<211> 300
<212> DNA
<213> Homo sapiens

<400> 996
aatccgttgc tgtcgaatgg gagccatgct actggtttat ttacaccaag ctggatggtt 60
tccttttagg caagaaggag gtcatcagca ggctcccaac aataatgccg aagttaacaa 120
tgatgggcaa aatgcaaaca acttggaact tgaagaaatg gagcgtctta tggatgatgg 180
gcttgaagat gagagtggag aagatggagg tgaagatgcc agtgcaattc aaaggcctgg 240
attaatggct tcagcttggt ctttcatcac caccttcttt acttcactaa taccagaggg 300

<210> 997
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 997
ctagatttct gggaaaacgt gactcgggtt cctctagaga agcagtggca gatgagagta 60
caaaggcaat ggggagctgg aggaaggcct taagcagggg cggcggcatg gtaaggtttg 120
taggaggact ggctgcagca gaggcaggga gaccagtgtg gagtctgctc agcagcccac 180
tgggaaggtg gtgatcgccg tggtgatgag cagttcttgg tagctgcatg tgaggagggt 240
gacaggtcag gaactctagc tcaggaaacc ctgtggatgg tggagggnaa gatcagtctg 300

<210> 998
<211> 300
<212> DNA
<213> Homo sapiens

<400> 998
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gctctctctg caagcactta acacctggca tgcaccttcc agacctttct tgtataaaca 180
tgcatgcatc gttttgttgt tttctaacag gatcactata tgtgccattc taccacttgg 240
ttttttttaat tcaacaaaat gccatgagta tcctttagtc tttttatgga cagccctagt 300

<210> 999
<211> 300
<212> DNA
<213> Homo sapiens

<400> 999
aattccgttg ctgtcggcgg agatggtcac cagaattaaa ggctgggaga atactgaaga 60
gctcaagtct attgagaact tagaagaggc cattagttct ggccgagaga aaagcattca 120
ggatttttac aaagttttgg taaatcccag tgagcgcaaa gctagactgc agtagatcga 180
gaagtgaata gaaagtgaca aacacagacg gagtgaaaac aactctttca gtaagttcag 240
tggtggagga aagatagctt aaagaggagg taatagtaga gtcagaacct tcaacctggg 300

<210> 1000
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 1000
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gctttcccaa gtataaaaga acaactgtat tttagaaggg gctggttaaa acaccaggaa 120
agtactggtt aaatataatc tttgtacttt agactgtgtt cttatcacat atcagcctga 180
taagaggcaa cagtttcaaa aaagtatttc acttttgtat ttctaggtgg aacagacaag 240
ttcttcatgt tgttggggta ggggcagtgg agggtcaagn tcattatcaa acttttagat 300

<210> 1001
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1001
aattccgttg ctgtcggaga aaccaaacag gtaaaagcaa gtggtgaagc cacatggatt 60
aatgagatga tagaaagtac aaaatcacta tgtaagtcag attaaaaagc cagcttgcac 120
tctctgcttt catcttttg aagcaataac tattacataa atcagtgaat acagtatttc 180
tacagtattt gaaacggtgt tcacacccag caattccact tctagacata tatccaagag 240

aatggaaaac atgtgcacac aggcacttgt acatgaatat ttatggaagc attattcaca 300

<210> 1002
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1002
aattccgttg ctgtcgggtt tcgccatgtt ggccaggctg gtctcaaact cctggcctca 60
ggtgatccgg ccgctttggc ctcccaaagt gctgggatta taggcatgaa ccaccacacc 120
tggccaaaag caggtcttta tttttaatgt ccaatttatc tgcttaattt tgtctaaaaa 180
gatgatctta atgcatacat tagatgataa tttcctcttt gttccacttc atttcaacat 240
aatttttttcc catatagtgt cttttaactt ttttaaagag gggatatttg aatgagacta 300

<210> 1003
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1003
aattccgttg ctgtcgccaa agtgctggga tgacaggtgt gagccattgc gtccggctgg 60
aatttcttat ggttcgtttc cttaggttaa agattcagaa gtaggatttt tgaattaaag 120
aaactaaata ctgtctatgg cgcttgatac atcttgccag gcagttatca gacagggttg 180
tactggtttg cgccacccca gaacgtgtgc aaggcctgtt tgtggaccct ccttggcctg 240
gctgtctagg tcatccacct gcgtgtgctc acagagcata tggatttttc cctgcggtgc 300

<210> 1004
<211> 234
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(234)
<223> n = A,T,C or G

<400> 1004
caacaacatg gtctctgtcc ctctctcttt gactctccct ttgtcctccc catagagctg 60
gggtggggtg gatccctata cctggggcag gcagccccaa agtgggggag ggggatggca 120
gagactgtaa aggcgccact ggactctggc aaggccttta ttacctttac tcccctccct 180
ctcccatcac cagcctcaag gcctgagggg tgcaggggct cctggnagct actg 234

<210> 1005
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1005
aattccgttg ctgtcggcca ggtactatta gaaataagac aaaaatctct gcctccaaag 60
agctcccaga gctcttggga gtaagggttt ggagtggggc agacaaaagt acacaaacca 120
ttggaccacc tgagccaggg gctgtgatag aggcctggcg atagtgggct tggcaggaag 180
cacttgtggc catttgggaa aggggcacat tgctgtaaga tgctgaatgg ccaatgcctg 240
gaataaggag ggtgtgcctg tggcaaagga atatcccagg tgctagggtc cagcccagaa 300

<210> 1006
<211> 300
<212> DNA
<213> Homo sapiens

09543260.050130

09525250 - 050525

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 1006
aattccgttg ctgtcgatga atagtactca aagtgttttt gttgcactgt tactctgaat 60
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atntntnttt ccttntatng ccnnncttatg atnatgacac nctccncnng gatgnagata 180
tatggaacca tatnttataa naacccctgn ccnntnttnc ttctgacctt cagttcactt 240
tgtcgccctt ggagaaagct gttnttcttt aactaaaaat aaccaaaatg ctaaaaaaaa 300

<210> 1007
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1007
aattccgttg ctgtcggata aataagatac tgatgttgta gatttctttt tgcaaagatt 60
atttctttac caaatttagc ttgtgactta tcttgcagtt ataagacatt cctaacatgt 120
gactgttaaa gtcttggaga tggtagtatg gtttctttat tacttttcat tatttctcat 180
gcaacaaaat agagcagagt ttattttaaa atgtgaaaag ttacactaat gaaattcatt 240
ttattagtgt tgaaaataag gaagtaatta gagcatttct ataataaata agtaaccatc 300

<210> 1008
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1008
aattccgttg ctgtcggcag gggtcattcc acattaccag agcttgttcc agagaggcag 60
tgggaggctc cacaggcagg cttggagggt gcttggccct aatactaaat gttggacttc 120
atggcattaa cgaaggggaa tcactggagc cttttagtat gaagctaatc tttttgtcca 180
tcacaggcaa cttcttgcct acactctttt acaatatggc atttatgaca tagccaagag 240
cgaagacacg ttgaacactg acttaatgct ttgagtaggt ggagagttga atgactcaag 300

<210> 1009
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1009
aattccgttg ctgtcgcttg tttttaatgg ctcaactgtc tgatgtaatt gagtgaaggt 60
ttgcactgag aaattagcat tcaggcctta cccccatgaa gtattactgt taacatatgt 120
tcggactgct tcccttcacc aatgtgaaca actttttttc ccaaacagtg ttaaaagcca 180
ctttgcaaca cttgacttca tcttaatgta cattcactgt tgttacatac atatctaagt 240
aaatcaaagt tttgggtgga agtgttgaga agtatgagtt ttttgttgtt tttgttttac 300

<210> 1010
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1010
ccgaaaggcc ttgtctgatg ccattaaaaa atggcaggag ctgtcaccag aaaccagtgg 60
aaaaaggaag aagagaaaac aaatgaacca gtattcttac attgatttca agtttgaaca 120
aggtgacata aaaatagaaa agaggatgtt ctttcttgaa aataagcgac gacattgtag 180
gtcctatgac cgacgtgctc tccttccagc tgtgcaacaa gagcaggagt tctatgagca 240

caaaatcaaa gagatggcag agcatgaaga ctttttgctt gccctacaga tgaatgaaga 300

<210> 1011
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1011
aattccgttg ctgtcgcgga aatgtccgaa ggcagcagta cttgaccctg tattttggga 60
gtcgaacgga gaatggaaac tgaaagtgga aatcaggaaa aggtaatgga agaagaaagc 120
actgaaaaga aaaaagaagt tgaaaaaaag aaacggtcac gagttaaaca ggtgcttgca 180
gatattgcta agcaagtgga cttctggttt ggggatgcaa atcttcacaa ggatagattt 240
cttcgagaac agatagaaaa atctagagat ggatatgttg atatatcact acttgtgctt 300

<210> 1012
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1012
aattccgttg ctgtcgccca gagactggct cccagtgagc taagcccagc cgcgaccctt 60
ggatgtgcca gctgatttaa tactcatgat aaacccagta ggtcagtgcc agtattatga 120
gagaagtgag gcacagaatg tcacatccac ctccccaaag tcaacagcta ggagtgacag 180
agccaggatt ctgccaggca ggttggcctc agaggccaca cttcttatcc caataataaa 240
agtgaacaag aacaggatga agttagagtg agagagcgag agtggtaaca ctcatgcaat 300

<210> 1013
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1013
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cacctctgcc tctgaaactg cccatccccc aagacccagc tcctttgtca cctccagtga 120
gaagcctccg ctgctttttct ttcctcctct tggtcccctg cagcactttc tttgaacctc 180
tgttttggca cttaccatgt tgtttggtga gggctctgtt tacttgtctg tttctttcac 240
tgggctgatc tcctgtagac aggggacttt gcagaacatg tggtggagag gagtcggtgg 300

<210> 1014
<211> 298
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(298)
<223> n = A,T,C or G

<400> 1014
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cgaagtgaat agattgagct tgacagtgtt gtcctaaaga ttctaaggga aaattctgta 120
gtttaatttg aaatcccttg attattcatt agctttccag atggcttttg ttgatgtttt 180
acatattaat gcctgtattg tgttattggt gtactcttaa tgtgcacata ggtaatgagc 240
anagaatana tacattggta agtgtcccan attaatggga tattancgta nttgcgaa 298

<210> 1015
<211> 278
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(278)
<223> n = A,T,C or G

<400> 1015
aattccgttg ctgtcggctt actactaatc aaagaaacag attaaaacta cagtaagatg 60
tcattattta atttattgat tgtggaaaga caaaagtacc agatgatacc agatgatgac 120
aaggggtaaa caggtacttt attttattta tttcttaaac attatctttt ttttttttg 180
naaanaccnn gccccccggg tggnnggncg ggnnnnccant ntaanttggn ngnaccntnn 240
cccncggggn nnaagggnnt ttnccnncnt aacccccc 278

<210> 1016
<211> 260
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(260)
<223> n = A,T,C or G

<400> 1016
aattccgttg ctgtcgggaa agtcgtggag ggtaagcaca gtcctgaaga cacaggatgg 60
aaaccccagg atgagaaggg agcagggaga gttccagaaa gggggatgaa ataggagtat 120
taaaaagctg cgttggccag ttnttcatgn ancnnttgnt gcnntnangc gtatnttanc 180
cttgctntat antcttntnc tntnnnnttn cnnntnntan tntaactttn ttntntnnac 240
nnnnnnnnnn tncgntgnnt 260

<210> 1017
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1017
aattccgttg ctgtcggcaa gcatcaccgc tgtctaattc cagagcattt ctgtcacccc 60
aaaaagaaac tccatgccta ttagcagtca ctcccagttc ttcccttcct tttctcctac 120
ctcctttgac taagcctccc tcccctactc cctcctttcc ttccttcctt ccttcttctc 180
tatcaatata atcactttgt ttctttcagg tgagatcgga ctggaactgt tcggctgcga 240
ccagaaattt attttcctga gtaaattgcc gagaattaag aatgaagagg gccatttgca 300

<210> 1018
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1018
aattccgttg ctgtcgctag ttataaaagt gtaatttcta ctgtgtcata atcagccatg 60
cagctggaga cttgccctct ttgtacagca aagttgtgaa aaaaagtatt tgcactacat 120
ttatttaaac attaggaaaa aaagccaacc catgcttttc tttgccgaga tgtagggctg 180
tattattggc tagtgagaag cctgggaaca ctaggacttt gtgtgggctg attgcaggta 240
tcagatccgg gattatacag gtactgttgg aagtatcttg gggattttcc tgataagaac 300

<210> 1019
<211> 300
<212> DNA

<213> Homo sapiens

<400> 1019
aattccgttg ctgtcggaac tctttaagaa agctcaacag ggaaatgaag ctctagatga 60
aatctgtttt aaagtttggg cctgtaatac agtccgtgat atactggaag gcagaacaat 120
tagtgttcaa tttaaccagc tatttcttag accaaataaa gagaaaatag actttcttct 180
tgaggtatgt tcaagatcag taaatttaga aaaagcttca gagtctttga aaggaaacat 240
ggctgctttt ctaaagaatg tgtgtctggg gttggaagat ctgcagtatg ttttcatgat 300

<210> 1020
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1020
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tatctgccct tcacgtcttt attcttagat tgtcatctgt gggtggaaaa ccttaagttt 120
ctacccatag aaataagccc accatatttc agaaaacatg gtgggtcata ggaaagcact 180
cagatgggac aacctagttg gatttggtac aaaatgagcc agatgtggga aaaggcaaat 240
taatatgatt atgaaaagta agaatgatgg agctgggtgc ggtggctcag cctcccgaga 300

<210> 1021
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1021
aattccgttg ctgtcgattg attttagtgg tattggagaa aattaaataa ttaggaggca 60
tgtttaaaga catctacaaa gcatcctaat taatttggag tgagtctttg ggatggcttc 120
ccaattctga gtcccaagat taaacaggcc aatcttgggc cgggcaaagt ggctcatgct 180
tgtaatccca gcacgtcggg aggccaaggt gggtggatca cctgaggtca ggagtttgag 240
accagcctga ccaacatggt gaaaccccat ttctacaaaa attacaaaaa aatttagcct 300

<210> 1022
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1022
aattccgttg ctgtcggtgg ggtttcaatg agagaatgcg tgtaaaatgc ttcgtacaat 60
tactgccact tatgtctcaa taactgctgg ctttggtcat taataaaaga gggaaacaac 120
attatcagat ctgtatttag aaggagttct ggcagatagg gacagatttg tgccaaaatc 180
tcaagacagt atttttcaag attacactga aacttagtac atatttatat tatcatacat 240
ttttaaaaag gtcaagatga ttatagttga aaccacatag ttctttttt aagaaagtca 300

<210> 1023
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1023
aattccgttg ctgtcggatt tgtactatta agagagaaaa aatatgccac acaactaaac 60
ataggttgaa attatgaaga aatttagaat agaggtttat tagatttagg gaacactaag 120
aacaaaaaag gaaggagtga tacctgcctg agtggacagc tgtaaatcag ctgtaattac 180
tgcagttgta ccaatagttg tgagtggctc cagtcacttt aggagtcctt ggaagtactt 240
ggtacacatt tgttggctgt accttaaagg aagtggcaag tccagtttgt tctctctacc 300

<210> 1024

<211> 300
<212> DNA
<213> Homo sapiens

<400> 1024
aattccgttg ctgtcgataa ctttttactc atatcattgt ccctatatta gtattaagag 60
cattttgtat aaaacttcat gtgaggatct caattcttta taattctctt caaagcaagg 120
aagtatatat agagagacct ttatttttta gtaatttttt caaatggttt gggagatctt 180
attctagccc aattctattc tggcacttaa ttattttctg gtggcttgta atatggtaaa 240
tactggattc cagattgcat tcctatttcc ttgggaggtg aggatactcc catttgtaca 300

<210> 1025
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1025
cgcgcgttcc agagctgggc gctgcagctg cactgccgat cgccgtgttt ggtcgataga 60
atccccagtg tgcccagaga gtgcgacccc tcgcccggcc cggcgagccc cgggcgtgaa 120
ccgaactgag ggaggatggc agcctctggg gtggagaaga gcagcaagaa gaagaccgag 180
aagaaacttg ctgctcggga agaagctaaa ttgttggcgg gtttcatggg cgtcatgaat 240
aacatgcgga aacagaaaac gttgtgtgac gtgatcctca tggtccagga aagaaagata 300

<210> 1026
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1026
aattccgttg ctgtcggcta ccacccgctc ctggtgtctg agttttagca gagcttttgc 60
cctctgagga ccccacccca gcctgcagat atgaaggtgg cggtgctgtt ccctgggagg 120
gacccctgaa tagatggacg ggagggactc tggagccaag ggtctccgca acgtcactgt 180
gtggatggga accctgagat ccagggttgg ccagggatga ccacaggcat cattcacacc 240
actccttcac cgcaggcctg cctggggtca gtggcgccag ccccacccag cccctggact 300

<210> 1027
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1027
aattccgttg ctgtcggcaa cttcaccatc ccagacaatt ctcgttactc ccgtaacata 60
cattgcttaa taaggttcat gcttgaacca gatccggaac atagacctga tatatttcaa 120
gtgtcatatt ttgcatttaa atttgccaaa aaggattgtc cagtctccaa catcaataat 180
tcttctattc cttcagctct tcctgaaccg atgactgcta gtgaagcagc tgctaggaaa 240
agccaaataa aagccagaat aacagatacc attggaccaa cagaaacctc aattgcacca 300

<210> 1028
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1028
aattccgttg ctgtcggttc atatgcagac aaagcacctt caagatcttt gaatgaactt 60
aaacaatacg gatttttctc ttatttgaga gaattatttg atgcacctga tcctgtaatg 120
agttaccttt gctgtcagta tcatattcat gaagttcctg taggaactga aaagaccaga 180
gaaagaattg aacgggtaat acaagaaacc cgattaaaac agatttatac agcagaagaa 240
aagtatgtgg tgaaaacttc tttttattca aacaaagtta tttctagtaa cacatctcta 300

<210> 1029
<211> 257
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(257)
<223> n = A,T,C or G

<400> 1029
aattccgttg ctgtcgataa tttctctgaa agtctttagt gacaaagcca aatatagtat 60
tcttgatttt tacgtcttca ctctttaccc ccttttatac tggtttcttc tcagattaac 120
atcttatatt cnatgaagnn gangganatn tattnctggc tttannnnnt ntacnnccnn 180
nngancnnct ntgtnnccnn tnnnanancn cnngtncnna tttttnnntn ctgctgaann 240
nccanttctc nctntta 257

<210> 1030
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1030
ataatactaa aatatttact ttagtgtttc ttgacattca aaaatgtcat tggatttgta 60
attcaggtat catatttgaa aatgagtctt ttaaaagata acataaatat ctttattttg 120
acacacaagg tcaagactag aaatgtgttc ctgggtactt tcagcctact tggtttaatc 180
aaattgcttt tgaatatgaa tgtcctaatt taattctttg gacctttgag gggaggacac 240
tatcacttct acatatgtag agaagtaaaa gtctcataga tccatcttgc tttaaaaata 300

<210> 1031
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1031
aattccgttg ctgtcgattc ctctatattt aattttgaaa acctaaaaga aggattgtgc 60
atcttgagag aaagttgagc aaattgtgat ctaccggaat gttaatttgt gctgcttctt 120
gtgcacgata gcagcagtag tatctctctt ggaaataaac atcccatatt atgatgtcta 180
tgaatatagg tttccttttc ttccttccct ccctccttcc cccacctttc tctttttttt 240
ttctctctca gcttctcttt tcctccttcc ctcttccctt cctctttctt tacttttttt 300

<210> 1032
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1032
aattccgttg ctgtcggcgg ggaggacgta ccttgtgaga tgcgagccgg ccaacagctt 60
gcaagcatgc tccgctggac ccgagcctgg aggctcccgc gtgagggact cggcccccac 120
ggccctagct tcgcgagggt gcctgtcgca cccagcagca gcagcggcgg ccgagggggc 180
gccgagccga ggccgcttcc gctttcctac aggcttctgg acggggaggc agccctcccg 240
gccgtcgtct ttttgcacgg gctcttcggc agcaaaacta acttcaactc catcgccaag 300

<210> 1033
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1033
aattccggtg ctgtcgacaa gaacaaggtt gatagcgttt ttcttgacac atgcacttta 60
agctccaaga ggaggcctcg agtcagctca caacaacatg ccaacagtga ctctgtgctt 120
actttgtgcc aggcagtctc tagccacttc acatctcact taagttttta ttagagtctt 180
aatgaagtgt gctctctccg acctatgccc attactcaaa tgctgcgggt ctatttcttt 240
acttataaaa tgaggttaat aatgcctaaa aaaggattgt catgagaatt aaacaagtta 300

<210> 1034
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1034
aattccgttg ctgtcggttt aaatgttttc ttcgggatta aaaaaacctg aatgtattct 60
gggaaaatgt taaatggatg caacactata agattttcca cagaaatatg ttattcaccg 120
tgaagcacaa tgggaaggct ccattagcac tttagatggt atcataactt tggaaaaacc 180
atttcaccat gcgagtattt acaaaaactg aagctgtccc tgtcaggttt tgacagagct 240
tagctatata ggtagtaagt gacgcagtgc caaaaccagt cttaaattac ctatgttgtc 300

<210> 1035
<211> 274
<212> DNA
<213> Homo sapiens

<400> 1035
aattccgttg ctgtcgggga ccacatcctg cttcatgtca gtgactcctg ccccttggtc 60
ttcagtgttt ttctcttccc caggagggac tttgatcatg caggatagaa ttctcccatc 120
gcacacctgg gggcaagttt tagatgagct tctttcctcc atttcacctg gtggtctgag 180
gacacacaga gggtgggggt gagcaggcag tgtgggtggg aggggctacc tcccccagac 240
cccttacaaa ctctgtacct ctcggtgcgc ggca 274

<210> 1036
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 1036
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gaccttccac ctccaccagg tgccgacact tccctgaccc cagtaacctc ttctcttggg 120
tgggtgaatg ccacctgctg atgtctgatt tattcatcgg ttttcttgtc tgtagtctgt 180
ccccttggg gacagggact cgttgctcat gttcacccgg caggctggac acttcgtgga 240
gggctccaaa gccggcagat cccggggccg cctctgtctc tcccaggccc tgcgtgttgc 300

<210> 1037
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 1037
aattccgttg ctgtcgaaat attgttttaa aatgcatcag cctatgctat acaatctgaa 60
tgttatttta acttataggt ttttttaata tatatattta actataagga cagtttaggg 120
aacaagttac ctaccacatt tcactttagt gtacctattt acagaaagat taaactgcca 180
cctgcgggca cattcccata aatgtgnact ttactttaaa aagaacatgc cacgattttg 240
tctttctgtg gactcaacat tcacttcgat taaaaatagc aatttgacca agttggactt 300

<210> 1038
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1038
aattccgttg ctgtcgcttc tccacctcat ctcagcttag ggactggtta gatcgtccag 60
gtgacaacac atgcttctga acctacacat ctgccttgct ttctgaaaac aattttctaa 120
tgtttttgaa aaagtaatgt atgcatgtat tgtatccatc agaatcctag aaggacacag 180
agaatgctct taaactgggg agtttctgga gagtttaata aagatgtggg ctgggcgcgg 240
tggctcacac ctataatccc agcactttgg gaggccgagg cgggcagatc acttgagctc 300

<210> 1039
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1039
gtgaaaaact atcactttca acaatgaaga atagtaatat gtcataatgg agattatgaa 60
gttcagaaag gggtaaatgc agttttgggg agggctgaga ctaagagaga acacaataag 120
acaggcaatt aagactgaca tgaaagatca gtcacattga taggatatac tcttgatatg 180
atataatgag aatggcagtt taccgctgtg gttttctttt cccaaaaccc ataaccacag 240
cctaaccatg agaaagacat caaacaaatc ccaatttggg acattctgta gaatacctaa 300

<210> 1040
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1040
aattccgttg ctgtcgggat cctcatgcgg aagaatttga agacaaagag tggacatttg 60
tcatagaaaa tgtaagctaa tggcaaattc cttcaccttt cacattttca actttatata 120
tgcattatta aggtacattg gcattttggt ggtaggaaaa atgttgcctt aagaaaatta 180
aatagtgatt tgtagctttt agaatgtttt taatgaaatg atagccagta acaaaattat 240
ttgtaagaaa tgcttttatt aacactgtaa gtcttcaata ctaaattgta tgtatgtttg 300

<210> 1041
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1041
aattccgttg ctgtcggtgg ttttaaacac cacttttgag atgctaaaaa ttcagtccca 60
atgggacttg ttcaaattca gttcagtttc tggtcatcaa aaaatcaatc tgttttaaga 120
tctagtctta cccatgaaaa ctttaataat ggtagatatc taaaacatga gttaattacc 180
cccaaaatgt ttcagttttt tcattgttat attgccaaaa accattctgg ctatatatat 240
ttttaaaaga agccatttgc atgtccttta gtggtagaat agaaatttgg ttaaaattgg 300

<210> 1042
<211> 295
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(295)
<223> n = A,T,C or G

<400> 1042
aattccgttg ctgtcgggag cacttggggt ccaagaatgg caagatcagc aatcagcaag 60
aagatcacca ttgctgactg gacaactgca ataaatttga cgggtgtttc tcttaaaaaa 120
aaaaaaaant nctgggacan accanggacc cntgngttcn catgtcntgg ggnccagttt 180
ttaactgggg aanccgnggn nggcntggaa aaggaggcag tgnccgngac tgtgctgttt 240
tccgaagccc cntgcctgct gcctgttcct cggtcctcgg ggctggactg gcgtt 295

<210> 1043
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1043
aattccgttg ctgtcgctca aaggcactct catgacagac ggcgtgggga gcacagagga 60
ggctggcaga gctggggact gagggcattg ttgctgattc tcactcaccg gggcagcctg 120
ccgcagatgc acaggcccca ggtgcaggcc accacctccg ggtcggcacc aggactgccc 180
tcggtgctca tagggaatgg ctgggcccac ggaaggtcgg cctgggatgt ggcctgggac 240
tgctgctctg ctggctgctg tgtggatgct tttcctggag cactttccaa ggcatccccc 300

<210> 1044
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1044
aattccgttg ctgtcggtag gaaaaatccc attctaataa ggttatattt atgtagctct 60
gcaaataaac atctagcaaa tgtaaaaagt attttctttg ccttaaaaat gattaaaatt 120
atttgaactc ctgaggagtg ttatatgaat aaaattagta agttatttgg aggaaagtta 180
ttttttaaaa agacaactgg taaaacagta caggagaaag gccagcttcc tcaagtgagg 240
acagttgttt agaattgact gaggagcggc cgggtgcgga ggctcacatc tgtaatccca 300

<210> 1045
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1045
aattccgttg ctgttcggtc tgcgtacgcc tggagtcctt ccccgctgtg ctcagcatgg 60
accctatcgg gagcttctgc gggaagctgc ggtctctggc cagcacgctg gactgcgaga 120
cggcccagct gcagcgagcg ctggacggag aggaaatcta ttgtttagat tatccaatga 180
gaattttata tgaccttcat tcctaagttc agactctaaa ggatgatgtt aatattcttc 240
ttgataaagc aagattggaa aatcaagaag gcattgattt catacaggca acaaaagtac 300

<210> 1046
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1046
aattccgttg ctgtcggacc aacttgatga tggcatctct tttaagatgc ccaagtctgc 60
gcacttttat tcctttattc ggcccctagc accccctccc cacccaaag aaggtcagtt 120

gcatgcgtgt ggggatgtag ctcaaaaaag aaataagatg gagtggaaag gaaagaaagg 180
aagaagcagg aattcaaggt gggtgggctg agcttggggc cacctagccc acctgctcca 240
atcaagggct ggaacaaacc tgaggccact tggagaggca gggctgggca gggacagggg 300

<210> 1047
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1047
ctacttgttc tttttgcagg atcccatcga cagatcctgg tacccccctgc ccgcgccgat 60
ataatgcttt ttcgcccccc tgggacctcg gacttgggct tccctttgga catgaccaac 120
ggggcagcct tggcagccaa cagcaatggc atcgccggca gcatgcagcc agaggaggag 180
gcagctcggg cggctggtgc agccattgca ggccaagcct ctttgcctgt gttacctggg 240
gtggaccgct tgcccatggt ggctggaccc ctatcccccc aactgctgac ttccccattc 300

<210> 1048
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1048
aattccgttg ctgtcgggag gtcggactca ggaggctcct tctccactcc cggaagatca 60
tgtaccagcc cagccggggt gcggcccggc gtctcggccc ttgcctgcgc gcctaccagg 120
ctcgacccca ggaccagctt tatccaggga ctctaccatt cccacccctt tggccccact 180
ccacgacaac cacttcccca tcttctcctc tattctggtc tcccctgccc cacgccttcc 240
cacccagcgt cttccccagg ttccccccact acctctccct cagatccagg ccctcagctc 300

<210> 1049
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1049
aacaaaacca aaaagatgcc ccttttttttg tagggataag aaatacattt gttttatact 60
tctatgctat attttgctat tcaaaattta gtgggcatta cttaacattg tttctaatta 120
ttttgtggct gctgtatgtt ttatgtgttg ggagcccatt gtattaggcc gttcttggat 180
tgctataaag aaatacctga gactgggtaa tttggttttt tggttttttg gggttttttt 240
tgagacggag ccttgctctg tcgcccaggc tggagtgcag tggcgcgatc tcggctctat 300

<210> 1050
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1050
aattccgttg ctgtcgggac atttagtctg cctgggtttg aatcctagca ttgtcattta 60
caggtaagta tcatcttggg caatgcatct ataaattggg ataataatac caaattggaa 120
caataatgat aggttagttg taatgattaa atcaaataat gagagtaaac tcctggagta 180
gtgactgaca catggcatgt aataaacatt tttctttcta cgaggtattg atatttatta 240
acctcttaaa agcaatttgg actccctttg tctcttattg tcctgtgaca gttaccatga 300

<210> 1051
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1051

aattccgttg ctgtcgaaat ggaggtaggg acagatcttt caagggaggt gtgggttgtt 60
tatattttta acacaattgt aggcttctct tttgagaagg tagatttccg tgttgtatct 120
gatcatggca gtgtctcaga aggctgagtg tctgccttaa gtttacgttg tcaacgcagt 180
ttagagggta aacatgtctg tggacatagt tgaactgggt ttttgaagat gtaattacca 240
atttacatca tggccaaatt ggaattatta tttttaattg gaattattat ttttaaaaaa 300

<210> 1052
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1052
aattccgttg ctgtcggtgc agtggcacat acttgtagtc caagcttcag aaggctcaag 60
tgggaggatc gcttacaccc aggagattga ggctgcaatg agctgtgata gtgccactgc 120
actcagcctg aatgacagag ggacaccctg tctcaaaaaa aaagtcagtt tctcacttgg 180
actaactact ttttaactgt taatagctgg tggctgccat actggacagc ccaagactag 240
aggctcaatg ggctgttctc cactctctgt ccaagggaac cttcctttat gtgctttttg 300

<210> 1053
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1053
aattactagt gggggagtaa ggggacaggc cattgggcat actggagcag catttactca 60
gtcattgaga aaaggatgga acattcaata aagggtgctg gacacatttg tgctctaaaa 120
attttgtgtt tcacctatta atttatccct ccccttagcc cctggcaaac actgatctgt 180
ttactgtctc catagttttg cctttcccag aatgtcacac ccttggaatc atacagcatg 240
taacctttc agattggctt cttttacgta gtaatatgca tttaggattc cttcatgcct 300

<210> 1054
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1054
aattccgttg ctgtcgcaca aatactcact gttgaaatac actggagaaa catatatata 60
aagtgttaag aataaaatat gacccatatg cacaaaaccc aggcagatca ttcttcaagt 120
gtaaaggcca tggataggtg ctcgcaagca tgaaagccct tggggaagat ggtgtccaac 180
tttgggttgg ggcccgtggg aggctgaaca aaacctagcc attggggagc tgggtgaagt 240
cagagacagg aggactggta ggaaggagag aacctctttc cttatagaat gactaagcaa 300

<210> 1055
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1055
aattccgttg ctgtcgagat tttactatta tacactaaat tttcaataat gattagaatc 60
tgaaaaaatt tgaaattgtg aataaaatgc ttttaaacat tttatcaagc attacaaaag 120
tagagaatag tataatgaag caacaccaag cttcaaccat tgatacatgg ccagtctttt 180
ttaatctata cccatccctc ttcagtcatc ccccttccac cctaaattat tttgaggcaa 240
tatctctaaa agatgaggac atttttaaaa acaaatataa ttttattatc ataaataaaa 300

<210> 1056
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1056
aattccgttg ctgtcggggg ctgttggcat aatcacaagc ctgtctgtct tcgagaaggg 60
acagtggagt catccagggg ctgccacatg acaggcacgg tgggcaccga tccacagtgg 120
gccccgcctt ccccagctcg cctccctgcc tgtgctggcc tggccttgcc tgctggcacc 180
attggagtag gaggggggtgg aacacagggg gcccatcctg atcaggcccc atctcaaggt 240
tggcactcct gcccatcacc cttagaagga tcttttccca tggcttgact tccttcattt 300

<210> 1057
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1057
aattccgttg ctgtcgggat gctgaaggcc tctttccccc ctgctgttgt gtggggatca 60
aatcagttgg gggcctagac ttaaaaggga gcacgtggtt aggaaatctc attagctgac 120
aatttaactc cactctaatg ctcgtccaaa gagcccggac aaagacttcc tctcctttcc 180
ctttgcagtt ctttctcctt gctcctctct tctcccctcc ccctctaaac cagaaaggaa 240
aagcagcgtt gggcctgtct ccttcccccc agattcctgc agttctagtg tgccgactga 300

<210> 1058
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1058
aattccgttg ctgtcgctca attgttgttt taagattgac cttacctgtc tgttgaaatt 60
gaccatagca catccttgat ccttgagatt ttactattca acctgttttt ctgtttttgt 120
tgttgttctt ttcactccct gaaattagga gagtagtaca tatttgtgtc ttccacagac 180
gatacagact ttaagatgta gaagctcatg gttttataga tgaagggatt tggaactctt 240
cccttcaggg tcaatgtact tgattgtctg aattaaactt ggttcccaag ttaataactc 300

<210> 1059
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1059
aattccgttg ctgtcgaaaa aaaatttaat ttgaacactt ctgttttgtg cagttttctc 60
tgttatattt tacttttttaa aaagaaaaag cggctgagcc accacgccca gcctcacatt 120
tttattttaa aaacctctcc aggctgggcg cggtggctca cgcctataat cccagctgtt 180
agggaggcag aggtgggagg acagctcgag cccaggagtt ccagatcttc tgcctgggca 240
atataatata gcatgaccct gttctaaaaa aaaaaatctc tgaaaaagat gattcaaaaa 300

<210> 1060
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1060
aattccgttg ctgtcgtgaa aaaggaaaaa tcacaataat aaccacaaaa gtacaaaaga 60
tcattacaga ctattatgaa cttccatata cttacaaact agaaaagcta gaggaaatgg 120
atacatttct ggaaagcaag aaggaataga aatcctaaac aggccaataa tgagtagtga 180
tattgaatca gtgatttaaa aaatcttcca ataagaaaaa gccaggaccg aatggagtca 240
tagccaaatc ctaccaaaca tataagggag aactaatacc aatcctcctg aaattgtgcc 300

<210> 1061
<211> 300
<212> DNA

<213> Homo sapiens

<400> 1061
aattccgttg ctgtcggata gggcaatcca agagacatag tcctaacccc agagtagcat 60
gtaatccctt cttagcatcc ctctttgaaa actgaagata gtacagctga gggaactgaa 120
caggttccca ggatcataga gaatcattaa gctgaagcaa acaaacaaac aaacaaaagg 180
caaactagaa gaaaagcagg attcaatggg ttctgcacct tcttagtcta tcattgcttt 240
gtaaacattc tccggtttta cattactaca gaatatggtc cagatataaa gttctactgt 300

<210> 1062
<211> 285
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(285)
<223> n = A,T,C or G

<400> 1062
aattccgttg ctgtcgcaca actggccagt ggcagggcta ggatttgaaa gcagttcttt 60
tccattttgg ttgttggtga ctcaaagtca ttctgaactt tcagaattca ggtggttgat 120
ggggtggggt gggggtgtcn gtntgnntct nttnttcctc tttaantgct cttatcnncn 180
tannccatgn atnannnctn ctnnnnnngn tcatctntnc nntctannga tttcntttgt 240
nannaacttt nnatcgnttg tcnnatgann ntnnntgttc tatct 285

<210> 1063
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1063
ctctcccccc ctccctctct cttcctttcc tctctcttgt tgtaactggg agtggaggcc 60
cactggctgg ggagacatta ggtggtgggg cccagcccga cctccaggtt cttccttctc 120
cctagctgtt gctttggtct ggccactccc agccccccttg tcccccttgga agcttgccct 180
gccctcatct tgcccatgcc ttctactgcc aggagacttg cacccatttc aaccctaggg 240
cgggggcaag tggggcaagg atggaccagc agaaggggggg taaggctctg ttcacttccc 300

<210> 1064
<211> 290
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(290)
<223> n = A,T,C or G

<400> 1064
aattccgttg ctgtcggacc ttacctgtat tccctgtgct atcctgtggg aaggtaggaa 60
tgggctaagt atgatgaatg tataggttag ggatctttng gntntaaatc ncagacaanc 120
taattcaaac tggcttaana tganaaggat ttatngnttc atgtaactag aangatnnta 180
ncnngngttt gnttcngnnn aagantnngn cccncggnng aattaccntn tananccnna 240
nggganttngg ntttaaannt ngtgtnnnnt nagggttntg nattaaaaaa 290

<210> 1065
<211> 300
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 1065
aattccgttg ctgtcggagc tcgtgagtgg gcgccgccgc caccgccccc gccgccgtcg 60
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agaagagcgg cggtttgtgg agatccctcg ggagtctgtc cggctgctcg cagaggacgt 180
gtgctatcgt ctgagagagg ccacgcagaa tagctctcag ttcatgaagc acaccaaacg 240
ccggaagctg acggttgagg acttnnncag ggccctcaga tggagcanng agtaggctgt 300

<210> 1066
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1066
aattccgttg ctgtcgccaa ggtggatgta gaagcgggct ccggcgtccc actctccctt 60
ccatatgggc ttagcgtctg ggtcactgag aacgacgtct gaatagggcc ctgggtcctt 120
gccatggatg aatgtggttc ccgcatccgc cggcgggtgt ctctccccaa aaggaaccgt 180
ccaagcttgg ggtgtatttt tggcgctccc accgtggtcg agctcgagcc cggagatgag 240
gggaaagagg aggaggaaat ggtggctgat gaacaggagc tggaaaaccg cgggcgtact 300

<210> 1067
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1067
aattccgttg ctgtcgcaga acacctaggt cctagcataa gccccacctc ctccaggaag 60
ccacctgact ccctccagca acagctctgc actttacctt tgtattctct cctttctgac 120
tatggtcagc agacttctaa gacggccccc aaagattgcc acctggtatt catgtgctcg 180
tgttatctcc tcctcttgaa tgagctggac ctagtgactt ctagtgcaca gaaatgtggt 240
gaaagtgatg ggataacaat ttccagatta agttataata gacactgtgg gctgggtgcg 300

<210> 1068
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1068
aattccgttg ctgtcggatc ttggagagtt tctcccaggc tccttgtgaa ctgctccgct 60
ggtgtgggag aagccaaagg ggcaaagctc aagacggtgt ctccctggtg agggcagtta 120
cattggcata agttgtctag cataacttgt catgccgacc ccttttcaag atagcagctt 180
cattcactga taatgtggca gtgttccccc tcatcagtgg aagacatggg atgtgttcta 240
ggggaattta tagtacttga catgtatgag ggaaattcta ctatcaatta agtacaagag 300

<210> 1069
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1069
aattccgttg ctgtcgggct gtacaaaagg tagacataat agtgagaagc cacctgagcc 60
agtcaaacct gaagtcaaga ctactgagaa gaaggagcta tgtgaattaa aacccaaatt 120

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tcaggaacac atcattcaag cccctaagcc agtagaagca ataaaaagac caagcccaga 180
tgaaccaatg acaaatttgg aattaaaaat atctgcctcc ctaaaacaag cacttgataa 240
acttaaactg tcatcaggga atgaagaaaa taagaaagaa gaagacaatg atgaaattaa 300

<210> 1070
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1070
aattccgttg ctgtcgcaca tacacacaca tacacacaac acatacacac acacatacac 60
acacatacac atacatacac acatacacac acacatacac atacacacat atacacgctc 120
acagacacat gagtgaatct acatggaata tcccttgaat aaaatgcaag caattggtta 180
tagtgattgc cactggggca gggaactagg aacttgatag taaggcttgg cagaaaaatt 240
actccttatc atacacagtt tttggtattg tttgagattt ttaaaatacc atacatgtat 300

<210> 1071
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1071
acttcgattg aattcccgga gctgtcgatt tagttatttg aagagaggtt ctcatttcct 60
agaaaagata tgagaaaccc aaatagaaaa ttattagaga tctttgagac actctattta 120
cattctggac ctaatctttt tgaattgtct tatatgagtg agtactttgt ggcagaagat 180
ctagacattt taataaaaca ttttaataca aatatctaga tattttagat acatatttaa 240
gtatctaaaa ttcagacagc caggggtggt ggccgtatac ctgtattcct agctacttgg 300

<210> 1072
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1072
aattccgttg ctgtcgccgt tgctgtcgga acattcttcc ctggaaccag tgctccacat 60
ctttcttttc ctctgagagc tgcagctggc agggacctcc ctctgctgct cctccagcaa 120
gccacagagc ataccctcac gtgacaagag tgtggtaggt tttctcccca cttctcacac 180
acgcctggtg gttgtggttc catctgcctt gttggcttgc ccgggggggat tcaacacttg 240
actttcaaat caaagaatgc taatgcttag cacttgctgt tgagcatgct ctaactttta 300

<210> 1073
<211> 252
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(252)
<223> n = A,T,C or G

<400> 1073
aattccgttg ctgtcgagag aagcttttag tcaaaagtca gtttattaaa tgtttagaat 60
acctaaacag gaagaaaatt ctattgtttt ttataacaaa gtggaagatt tcaagaaagg 120
acaactcact gtacacttga gaataatacc tacagaggtt catactgaag agtagtctca 180
ataatgtaaa gaatttgaca agcatgatgc tattgaaata gttctgtcng aagnggtgtt 240
nnttcttcnt tt 252

<210> 1074

<211> 300
<212> DNA
<213> Homo sapiens

<400> 1074
aattccgttg ctgtcggctc ttgctgctgc tcaggtagaa catctgggag gtcccttgct 60
gaccactgga agaagatgag ctcgagctat tggagtgaga cgagcagcag cagctgtgga 120
acccagcagc tcccagaggt gctgcagtgc cagccccagc attaccactg ctaccatcag 180
tcaagccaag cccagcagcc tccagaaaaa aatgtagtgt atgagcgagt gaggacctac 240
agtgggccca tgaacaaggt ggtgcaggcc ttggacccct tcaactcacg ggaagtgctc 300

<210> 1075
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1075
aattccgttg ctgtcggaaa gagcaaaaat ccagcaacaa ttggccaaaa tacataataa 60
tgtaaagaaa cttcagcatc aattaaaaga tgtgaagcct acacctgatt ttgttgagaa 120
gctcagagaa atgatggaag aaattgaaaa tgcaattaac acttttaaag aagagcagag 180
atatgaagag ctaattaaag aagagaagac aactaataat gagttgagtg ccatatcaag 240
aaaaattgac acatgggctt tgggtaattc agaaacagag aaagctttca gagcaatctc 300

<210> 1076
<211> 291
<212> DNA
<213> Homo sapiens

<400> 1076
aattccgttg ctgtcgaagg atataagttt ataatactgc tatttttgat tcccttgcct 60
aagaaaaatt aggtatgaat aaaaatttaa tttgaactga tatcacttcc cttaccattc 120
acatgttaac taattgataa gataaaaatg tgttgtagta gaatagacta gatcgtatgc 180
ctttttagat gaaaattata gaagatattt agtcatagta actacaaagg caaaataaat 240
atcacagcaa aaccagtaat aggaatgctt gcagactttt ttttttttg g 291

<210> 1077
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1077
aattccgttg ctgtcgggaa gataggcaat gccatttttt tcaaatgtac acatacacac 60
acacaataag aaatgtattt aataatacat tttaccttat tttcaaggct tatcatgaca 120
gtaactattc tttaaataat aagaaggagg aaggtaatat tatgaattac taccaccaac 180
agaaaataat gctgttgatt acccattaaa atggtacagt agtatcattg tctgttggac 240
atatagatca gttttttttct tctaaatgct atttcaactc tctattatta acatatatat 300

<210> 1078
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1078
aatgggtatt gtcttagtct gtttgtgcta ctgtaaaaaa tatctgagac cgggtaattt 60
ataaagagta aatttctttt tcacagttct ggaggatggg aggttcacga tcaagatgct 120
gccaggttcg gtgtctggtc agggccaggc ttctgcttcc aggatggcac cttgcatgct 180
gtctgttcac atggtggaag ggcaaaaagg gggcctagct tgctttctgc aggcctctta 240
taagagcact caaccatttg tgatggcaga gcctgtgtgg cctcatcacc ttccaaagcc 300

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<210> 1079
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1079
aattccgttg ctgtcggaaa ctccctggag cgacgcagcg tccggatgaa gcggccttcc 60
tcggtcaagt cgctgcgctc cgagcgtctg atccgtacct cgctggacct ggagttagac 120
ctgcaggcga caagaacctg gcacagccaa ttgacccagg agatctcggt gctgaaggag 180
ctcaaggagc agctggaaca agccaagagc cacggggaga aggagctgcc acagtggttg 240
cgtgaggacg agcgtttccg cctgctgctg aggatgctgg agaagcggca gatggaccga 300

<210> 1080
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1080
aattccgttg ctgtcggtaa acttaaggca taaacttctg aaaattagtt atgtataatt 60
ttattcaatc taatgtacat tttaaatatg gataattgat agtttttct acaaataaaa 120
atgtactata tatttagtta cataaatact gttcattaac tttgaattga gaaaatggat 180
accatttgca ttgctattgt ggctttaatt ctgtgggttc agatggctat taaaattaca 240
tcttttaatt gtgtttattt ttaaagttga aaagtgatca ttatcctcct gttcattttg 300

<210> 1081
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1081
aattccgttg ctgtcgggat tattatgcta ctttattaat gtttattgtt attctttaga 60
aagtaaatta ttgtaggctt ataaaattaa gaaatctagt ttttagtaac ataatcattt 120
gctcccttta aattttaaat cactctaaat ctgaacataa tagctaactt aaaataagta 180
gcatttggat tacattattt ttgcagataa ctgattatct gtgtgaaatg atttagtatt 240
ataaatgttt tgtgataaag tttatggtaa agattgatta tagttacctc atttttatct 300

<210> 1082
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1082
aattccgttg ctgtcgctgg aattttcttt actcctgtat ctgatgtctg ggctgcgatg 60
actcaaaggc tgatttcagc tgagactgta gaccacgtgc ctacttgtgg cctccccttt 120
tgccttgggt ttctcacaga atgtggctgg ttctggagaa tgagacttcc aatgaaatca 180
ggtggaaatg acatctcgcc gctttcagca tgctctattg gttggaacag ttatggactt 240
agctagattc aaaggaaggg aacaaagacc ccctcctctc agagagtggg gcataatgag 300

<210> 1083
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1083
aattccgttg ctgtcgggac aaaaccacag caagctgtca ggtttctgag tgaactgctt 60
acttttccat aattgataga taatacagcc atgtctttaa gagaactctt acagagttta 120
ttattatata tggcaatatt aatagagaaa aatatttcat gtgattttta gagaacttaa 180
gcatttgcct taaatgtttc ttaagcccta gaaatatagc tataatttca ttatttatcc 240

tctcttaaac agatgattcc ctggtaaaga gaagaaaaac actgtataaa gtacagctgt 300

<210> 1084
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1084
aattccgttg ctgtcggaaa gaaatcattt aaatgtacta tatgtggcac aggctgtatc 60
gagacctacc aaatcactag acatcgaaac attcatcttt ggtgaaacca cacaaatgga 120
ttgtgtgtgc caaggccaac aagtcaaaat atgttgaacc taatgatatg atgtgtataa 180
agggtgcaag gacacgtgga aatgatctgt aatattcggg ttattaaaaa tgtaattggc 240
tgggcgcagt ggctcacacc tgtaatccta gcactttggg aggttgaggc aggtggatca 300

<210> 1085
<211> 293
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(293)
<223> n = A,T,C or G

<400> 1085
aattccgttg ctgtcgggag agacaacgag aggaagaaag gagaaaagac atagaaagac 60
gagaggcagc aaaacaggaa cttgaacgac aacgtcgctt agaatgggag agaattcggc 120
gacaggagct tctcaatcaa aagaatagag aacaagaaga aattgtcagg ttaaactcta 180
aaaagaagaa tcttcatctt gagttggaag cactgaatgg caaacatcag cagatctcag 240
gcagacttca ggatgtccga ctcaaaaagc aaactcanaa gactgactgg aag 293

<210> 1086
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1086
aattccgttg ctgtcggcca actgttttat gtacttgaga agcaggtgtt aacttcctca 60
gttacaaatg agaaaaccca ggcttaaggg gattgactca tttgccaata gtcatgcagt 120
taattgcgtt tgttttgcca cacagccact gttctttaca tagcaatttg gtatatagag 180
aaaatatggt gccatggtca agggcacgac tttgaggatg gactgtctgg cttcaaaaat 240
ctgatttcca tcccttactt attatgtaac tttggccaaa ttactgaatg tcttaaccct 300

<210> 1087
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1087
aattccgttg ctgtcgcaga gacttgctga aggattaaaa ggattttctc ttttggaaaa 60
gcttgactga tttcacactt atctatagta tgctttttgt ggtgtcctgc tgaatttaaa 120
tatttatgtg tttttcctgt taggttgatt ttttttggaa tcaatatgca atgttaaaca 180
ctttttttaat gtaatcattt gcattggtta ggaattcaga attccgccgg ctctattact 240
ggtcaagtac atcttttctc ttaaaattat ttagcctcca ttattacaaa aaattataaa 300

<210> 1088
<211> 282
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(282)
<223> n = A,T,C or G

<400> 1088
aattccgttg ctgtcggctg gagtaaaccg tgatcgagtt actgcactcc agcctgggtg 60
acaagagtga gactctgtct ccaaaaaaaa aaaaancngn atngccnggn tttactcngg 120
ncncannntg cagnccnagt tntgcngctn tgctgttngt tcngntttcn tccannnatn 180
ggcntcaccn tttggnncca aaanggctgn tgcnttccag gcttnanntc canactcaaa 240
cccanaaaan ctgcccatcc ntacctgggn gacccttttgt ag 282

<210> 1089
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1089
aattccgttg ctgtcgcttc tctgccccta aatttggata tccatttcga gatttagaat 60
ccaaacgctt ttattggaga accattaaat taagaataaa gttctaaatc agtttctcca 120
attagttcta ttatattcta tagtatatat actgtaattt tgcatcccca cgtgtgtcct 180
aataaagata cctatagctg aacagtttgt agcatggaat aaataaaaac caaatgattc 240
gtgttataaa atactaacat cctttgtaaa aacacaaaaa tcttgtacct atatatatat 300

<210> 1090
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1090
aattccgttg ctgtcgcttc aaacctaaaa atcaagttat ttccttttat aatacttttc 60
ttccccatgg aacaaatggg atcaatttgt gagtttttc ctttaatgat aactaaaatc 120
cctctaattt ctcatttatg cttttgtctt ttttatgaaa tatttctttt aaaagcccca 180
ggcttcacct acgaaatatg aagagcaaaa gctgattttg cttacttgct aaactgttgg 240
gaaagctctg tagagcatgg ttccagtgag gccaagattg aaatttgata ctaaaaaggc 300

<210> 1091
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1091
aattccgttg ctgtcggatg cctgctctaa gctgcaggag cagaagaagt cactcaccaa 60
ggagaaggag gagctggagc tgctgaagga ggatgtgcag gactacagcg aggacttgca 120
ggagatcaag aaggaacttt caaagactgg tgaagaaaaa tacgtggaag aatctaaagc 180
cagcaagaga ttgacaaaaa gggtgcagca aatgatcggg cagatcgatg gcttgatctc 240
gcagctggag atggaccagc aggctggcaa gctggccccg gccaacggca tgcccacggg 300

<210> 1092
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1092
aattccgttg ctgtcgggtt tttaagaagt cgttaaactt aatatttact agatatttgt 60
ttttggatgg catctaatat attaatagcc cagaaaaaag gcgccactaa tgaatatgtc 120

ttggattaca tagtgacata tattagcttt tcgtccacat ttgataacat tgctaatatt 180
ttctttttt ttactgaagc tctttgaatt taaagttttc tctcatttaa atttattaat 240
taaaaacata cctttactct gttcccttta gcatttcaac ctgatgttaa aagatgtgta 300

<210> 1093
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1093
aattccgttg ctgtcgcatt aaagtcacta agaataacca ttttttccag tatatatgga 60
atatacacca aaaaagacct tatcctggac catagataca ttttaacaaa ttcccaaaga 120
tttatatttt cagagactgt tttctgaata ataataataa attagaagta aaaaaaattg 180
gaaaattcct aattatttgg aacttaaaca tcatgtttgt aaatatccct gagtgaaaat 240
aggtctaaca aaaaatctac taaaataagt ctaataaata aatttagaac atattttgaa 300

<210> 1094
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1094
ggcacaattt gaagcccaac ctcagattct aagtcccata tattagtttt tggtaacaat 60
catcagtaaa ggagaatatt ttaaaaacct ataaaggagt ccttgacaat actatctaaa 120
tctttttata cattgataat tttataatat accctgtata tattaggtaa atgcctgtag 180
gtctccaaag acctagaatt gagaatcaga gggtaaacat ccaaacaaat cccctagatg 240
tgggaaaata aggaagttat cttatttcgt cgtcatttat attgaggtga atcatgatgg 300

<210> 1095
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1095
aattccgttg ctgtcgcaca gctcttggtc tccagacctg atgaggaaaa tataagttcc 60
tatttacagc tcatagacaa gtgtctaatt catgaggcat ttacagagac acagaaaaaa 120
agattgttgt catggaaaca gcaggtgcag aagctctttc ggtctttccc tcggaaaacc 180
cttctagaca tatcaggata tcgacagcaa agaaatcgag gctttgggca atccaactcc 240
ctcccgacgg ctggctctgt gggcggtggc atgggcagac ggaacccgcg ccagtaccag 300

<210> 1096
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1096
aattccgttg ctgtcgggaa attcagttac ataaataaat tacccaagtt acatacctat 60
atactgatag atttcaagtc atgttccaga aatcatgttt ctaactagta tgctacactg 120
cctgtctcga aaaaaaaaaa atagtaacta tgctctacac tacgcagtcc acttactatc 180
ccagttcctt attctccttt gctgcaaaat gtcttgaaag agttatttat gcctgctgtc 240
tgcagttaag ccatttcagg gggatggagg gcgcacaacc ttatttgaag tgggttgagg 300

<210> 1097
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1097

aattccgttg ctgtcgcaca gtttaaaaaa gaaattagtt tctcctaatg tgcacattaa 60
aagtagtaaa aatggccaat tttgttaaat cttgatcctt gagtacattt ttgtgtgtgt 120
gcatttttc cttgtaaaaa taatccatgg gagggcatgg tggctcatgc ctgtaatccc 180
agcactttgg gaggccgagg gaggtgggtg gatcacctga ggtcaggagt ttgagaccag 240
cctagccaac atggtggaac cccgtctcta ctaaaaatac aaaaattagc cggcagtggt 300

<210> 1098
<211> 270
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(270)
<223> n = A,T,C or G

<400> 1098
aattccgttg ctgtcgcttc ccttccttcc ccttccatct ttctttccac atgtcctttc 60
cttattggct cttttacctc ctacttttct cactccctat cagggatatt ttgggggggg 120
atggtaaagg gaanccncnn canannccct ggaactnngt tntnncngnc tcncncaann 180
ggnnccntng cnacccnngt acntcnaccc tannaannen ntacagtnga aancaacccn 240
nnccncnnan ccncccnncn cncnncnana 270

<210> 1099
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1099
aattccgttg ctgtcgctca ttccaaggct atgcatatgg atgtcacatt cccatgtcaa 60
tcatctctgg aaggtattat tcgcccagtt ttttaagcat gggaaactga ggcttagagt 120
cttaaaaaat aagtagctgg cagtctctca gcaaataatg atggtgctgc actacagacc 180
cagatctgtg actccaaagt cagcctttgt tcttttcttc ttgttacttt taattggaaa 240
aaaatttaaa ttgcaaaaag ttgtagagtg ataaaaacaa aaatccacga atgctcttct 300

<210> 1100
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1100
aattccgttg ctgtcgcaga ataagcctat caaacatagg tcaaatggtt aaataaagaa 60
tgaaagcgta aaagccatag aagaattttt ctgttgtctt ggagtagaga gaccttccta 120
agtttgacac aaatcccaga agctataaca taaaagactg atacatttga caacatcaaa 180
atgagatcca cttcataaga gtaacactgt aaacaaagtc aaaagataca tgataatctg 240
agaaaaataa tttggaaaaa atatgataaa aggagttaat tttcttaata tactaagagc 300

<210> 1101
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1101
aattccgttg ctgtcgtcct cctttatgag aaaagaatag accctgatag atgaagctat 60
aaagttctat aacatatctt cattgaacgt gtgatttttt ttaaagtata aatagcatat 120
tcatattttt gcaaattgct tgttttcagt acgcagcgtt ttgagagctg tgtatgttaa 180
tgcagttgac tcccgaacag tgggtttgaa ttgctcaggc ccacttatac ctagctttta 240
ttcaaccaaa cacataatgg ccagcatata tgaggagcta acttttcata tgtgtggtct 300

<210> 1102
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1102
aattccgttg ctgtcgcaca aaacaaacaa aaacccctga ttcctggaga tcctgattcc 60
ataggtgtgg tctctgcaag caattttatc tggaattgaa gaccactggt gttctgggac 120
aaaggttttg aaacagacag gggtccaaat tctggctcta ccacttattg aggtgtataa 180
atttgaggaa gttactaaat gctctgaact tcagtttctc ctggaaaatg ggataattat 240
gtctagcttg tgtggctatt gttaggatga aatgagatac aagtatgtag agtacctagc 300

<210> 1103
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1103
aattccgttg ctgtcgcttg tttgcaatag ctatcttccc actctcactt gaacccactc 60
caaccaggcc tccccatctc catgaacctg atcttgtcag agtcacaagg acctccacga 120
tctccacatt gctaaccaaa tggtcaatgt tcagtcttca tcttattcag ctcatcagca 180
gtccataact tcctcttcct tgatgcatat tcttcaccta gcttccaaaa cctatacttc 240
tcctggcttt tctctgcctt accagtaatg ccttactggt ctcgttgctg gctccttctc 300

<210> 1104
<211> 282
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(282)
<223> n = A,T,C or G

<400> 1104
aattccgttg ctgtcgcata ccagctccta agccctatta agaagaggcc tggtcctcta 60
atgccttggt tccatttcag ttgttctttg agagacagaa tgatgtacta accattcgtg 120
attattagag atagggatgg gtcagggctn agntanntgn cngncttntt gtggntgggt 180
ggnncnttga ncnnatctna gngctgtntg tgnnngtacn nnntnggtgg ttaatntatc 240
catgctgcna nggctgtcan ggantngnta agcgaatttc ta 282

<210> 1105
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1105
aattccgttg ctgtcgctca gggcacagca ggcagtgtgt tagccttggt ctcccttgcc 60
ctccaagtcc cacagggcaa tactggcagg cccaggaaag tgttacacac tgcaggtttg 120
catgacggct aaggaaccac aatcttaggg agatactatc tctgtcttct aaggccattt 180
gctgtacaaa aatccttgaa atacctgggc acagtggcac acctataatc ctagcacttt 240
gggaggctga ggcaggcgga tcacctgagg ttgggagttc cagaccagcc tgaccaacat 300

<210> 1106
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1106
cctaacttcg aaacccgcta cttgttcttt ttgcaggatc ccatcgactg ggagcccggc 60
tcactcccgg aggcctctgc ctgcggctga cctgatcccc aagggactgt cctttcctct 120
cctaccccac cccactccca gacagagcag aagtattttt ataagcagag aatttttttat 180
gtcttaccag atagagttgc agggaagggg gggcctgctg gggagtgggg tttgggggggc 240
cctctcccag gacactgcct cttctgggca gaaggcccct ccaggggggac tgctccaaca 300

<210> 1107
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1107
aattccgttg ctgtcggtcg attcatatct gtaggattaa taaatgggtc tgttatatcc 60
gttttactga tggtgaaatg aaggaccaga gagagtaagt ggcctttcca aggcttcaca 120
gcaagcttgt ggaagaaacc accaagaaac cagctcttga gacttccagc atttgttcca 180
gttcctctgc aagggaaacc cccattccct gctctctctt tttcccctcc tcacaggcag 240
caggtatgtg cacagacagg cctggagctg ggctagggta ggagtcccct gtgaggctcc 300

<210> 1108
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1108
aattccgttg ctgtcggaag gagagttaaa agtcaataag cattacaaaa attgccattt 60
tgacatcagc aaatcaaatt tctctatcta attaaaggaa aacccttttct cttatttctc 120
ttctcttttc ctcttctctt cctcctcctc tatttcccct ctccttatcc ccttgtctcc 180
ctcttctgct ctttctctac ttcctctttc tctttttttg atatatttct atcatatatt 240
ttcagaaata attcagtggc atctcatgta gatgtaccac tttcttattg caactcagag 300

<210> 1109
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1109
aattccgttg ctgtcgcaac ccttactcct ccggccaagg agccaatgtg agcattcagc 60
tggcagctaa gaatgtgtat cccaataaac agggcagacc tacagaccca ctggacccac 120
tagagatgga cttgggccac agtgccttcc atgacttcag taaacagagg ggtgtggtga 180
tcttgtcaaa gtcctggcgt caatgtcagt gtccggctac acaccatgtt cccgtcctcg 240
aaaagcctct ctgtacccct ctatgttggt gacacaaccc tggcaaatgg ccacagactc 300

<210> 1110
<211> 292
<212> DNA
<213> Homo sapiens

<400> 1110
aattccgttg ctgtcgggca gaagctgtgt cctcagtact ccgtgatgac gagtgagcct 60
ctgtgaaatg gacaggtggg aaaacagcta cctgctggcc tgcccaggca cccgccacgg 120
gcccacgctg ctcagcttct caatgtgaga ctgtccacac ctgcgaggtg tgctaaaggt 180
gcaggttagg tggactgacc ccaggacctc cctgaccccc aaccaggcca gcggaagcct 240
gccacctcct atgtgcggac cacacccagc attggcctag ggggcggatt gt 292

<210> 1111
<211> 300
<212> DNA

<213> Homo sapiens

<400> 1111
aattccgttg ctgtcgctaa tttgtggtac gatattgctt attgtgactt tggcatgtat 60
ttttgctagc aaaatgctgt aagatttata ccattgatct tttttgctat atttgtatac 120
agtacagtaa gcacaattgg cactgtacat ctaaaaatat tacagtagaa tctgagtgta 180
atatgtgtaa ccaaaatgag aaagaataca agaaatgttt ctggagctag ttatgtctca 240
caattttgta gaatcttaca gcatctttga taaacttctc agtgaaaatg ttggctaggc 300

<210> 1112
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1112
aattccgttg ctgtcgtaca aaaaaaattt taattagctg ggtgtggtgg cacatgccta 60
tggtcccagc tacttgggag gctgaggtgg gaggatcact ggagcccgaa agttcaagcc 120
cacagtgatc catgattgca ccactgccct ccaggcctgg gcaacagagt gagaccctgt 180
ctctaaaaaa gaagaaatga ttgaaatcat atttttcagg ctggacttcc aataaagtag 240
cccttaaaag gatcattctt aaaatattag ccatatacaa tggtcataat aaatgtatgt 300

<210> 1113
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1113
aattccgttg ctgtcgcata tcagtaaaga agtaaacaag aataaaatac atgctaaaat 60
gtcatacact ctttttgttc taacattttg atttggcaga gccaataccc acctatacta 120
caactttctt atgccagcac aagaatgcta tattcaaaat gctttccatg tattaccttc 180
ttttatcctc agatatcctt ggcagatagt agggcagata ttaccctcat cttattgaag 240
aatattctgg gtataaggaa gtcaaataac ttgtcaacag ttacaaggtt atgaggtaaa 300

<210> 1114
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1114
accattgaat acccgctact tgttcttttt gcaggatccc atcgatctga aagcgggcag 60
cactgtcatt catagccaaa cagtcctatt gagaggtctt ggactatcag gccagctgtc 120
agaccactcc atgcactggg tgtgctctgt tggtcaggga ctgggaggga aactacctct 180
ccttccctta accaagcatg aattatgttt gttagcaaac ctctctggga atatatgtca 240
agccacattc ctcctggggc agctgcaact tcagggcttc acaataaaca gttctgaaaa 300

<210> 1115
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1115
ggcacacatg gcccaccatg cagggccaca caaagaagca ccggggttgg tcaggaggcc 60
gagggaacct ttattgtcga ttccaagaga aagaatgggt gagagagagt agtatgaata 120
agtgtagtgg gatctgggag ggaggagctg tccctaatta tctggtgtct gcccggggat 180
tggttaagtc aggggacagg gaccaggaca tgagagcctg aaggacctgg ttggggtgtg 240
agctttaggt gcgttgcttt gcatacgaaa ggtacctgga agatgagttg tttgtcctct 300

<210> 1116

<211> 291
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(291)
<223> n = A,T,C or G

<400> 1116
catgccgatg ctgtccatgg gtgccaagca agccagtttt ttggttccct gagggaaact 60
gaccctcctc tcttgtggca ccatccagcc tcagggtctt ggagacttga gtaagaatgt 120
gagtggaggg ggagngnatn tcttaagggg gnggacccca anncctgag gaacatgcnc 180
ttngnnaaga agncaanann nagggccttn anangangca tgcnanantg ccnaggtcat 240
gantgcnant gccgangtat gangnacntt ntnanacnnt gnnaggaggc a 291

<210> 1117
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1117
actctagaat acaagctact tgttcttttt gcaggatccc atcgacagat cctggtaccc 60
cctgcccgcg ccgatataat gctttttcgc ccccctggga cctcggactt gggcttccct 120
ttggacatga ccaacggggc agccttggca gccaacagca atggcatcgc cggcagcatg 180
cagccagagg aggaggcagc tcgggcggct ggtgcagcca ttgcaggcca agcctctttg 240
cctgtgttac ctggggtgga ccgcttgccc atggtggctg gaccctatcc ccccaactgc 300

<210> 1118
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1118
aattccgttg ctgtcggtca ttcgcaccaa gcaatacctc tatgtggctg acctggcacg 60
gaaggacaag cgtgttctgc ggaaaaagta ccagatctac ttctggaaca ttgccaccat 120
tgctgtcttc tatgcccttc ctgtggtgca gctggtgatc acctaccaga cggtggtgaa 180
tgtcacaggg aatcaggaca tctgctacta caacttcctc tgcgcccacc cactgggcaa 240
tctcagcgcc ttcaacaaca tcctcagcaa cctggggtac atcctgctgg ggctgctttt 300

<210> 1119
<211> 297
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(297)
<223> n = A,T,C or G

<400> 1119
aattccgttg ctgtcgttca attgttctct cttcaagttc actgattctt tttttcttcc 60
tgtctagatc tgcctttcag tctctctagt ggatttttaa tttcatttat tgtacttttc 120
ggcttcagaa tttttgtgtg tatccttta ggttttcatt ctctgtgttt ctcttactct 180
gttgcttttt ttttttttt ttgggggccn nnnttngngg nnaaggngga ncnaaancnc 240
ngggnnnaaa nnanncnncc nnnccaantt ncnggggaac ngggancnga attggcc 297

<210> 1120

<211> 300
<212> DNA
<213> Homo sapiens

<400> 1120
aattccgttg ctgtcgcctt gaatatgtaa aaatacctat catatcagtg taatactatc 60
ttaacaatcc taaaaaccag gaaagaaaag caaaatacag ccaaatcaat gtcaagaatt 120
cttgggaagg ctgggtgcag tggctcctgc ctgtattctc agcattctgg gattacactt 180
gagtccagga gtttgagacc agcgtgggca acatggcaaa acctcatctc tacaaaaggt 240
acaagaaatt agcaggcatg gcggcgcgtg cctgtagttc cagctatttg ggaggctgag 300

<210> 1121
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1121
gtggttctgg aagaggacct ggacattgct gtggattttt tcagtttcct gagccaatcc 60
atccacctac tggaggagga tgacagcctg tactgcatct ctgcctggaa tgaccagggg 120
tatgaacaca cggctgagga cccagcacta ctgtaccgtg tggagaccat gcctgggctg 180
ggctgggtgc tcaggaggtc cttgtacaag gaggagcttg agcccaagtg gcctacaccg 240
gaaaagctct gggattggga catgtggatg cggatgcctg aacaacgccg gggccgagag 300

<210> 1122
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1122
aattccgttg ctgtcggcca ctgcgcacgg cctggggagg ttttatttct tgacaaaggt 60
atttgatact cgtgcagtcc ctggagggtc tcactggaga gacaacattt aggctgagat 120
ctgattaaca ggaggcagct gcagtgcaga ggtcaaaagg gagggtgttc caggcagaga 180
aaacagcctg tgcaaaggcc ctgaggcaga aacaaactct acttgaggtc agcctggtta 240
gaaagcccaa ctcaaaatag aaagtattac atgataaggt ctgaggcagg ctggacccag 300

<210> 1123
<211> 283
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(283)
<223> n = A,T,C or G

<400> 1123
aattccgttg ctgtcgatgt gttccctaca aatctcatgt tgaaacgtaa tccccagtgt 60
tgttggaggt gaggcctggt gggaggtgat tggctcatgg gggcatatcc ctcataaatg 120
gcttggcgct gtccttgcaa taatgagtgc attttcactc tatgagttca catggatttg 180
gctgcttaaa agtgtatgga tttcttacct gctgttgctc tcaccntgcg atgcnnntag 240
ttcccncttt gccttctgcc ttgngtaaaa actccttgag gcc 283

<210> 1124
<211> 300
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 1124
gtgagagaat tgtggagacc aactaccaca tatcattgag cccagctctt gggagcattg 60
agatgtatag ctcagggtta cacagttcca aatcttggga aggggctttt cagacagact 120
gtttgctttc tgctgagata aggaatgcat cactctgcca gagtatgact ttttacaatg 180
agacatatgc agctttattt aataatctgc atatgtctca ttgtaaaaga tgaannntgan 240
nnanacatgn aacaaacann gaaaanatnn gnnnncngtn aaangttaac ggaccatgca 300

<210> 1125
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 1125
aattccgttg ctgtcgctga cttgcttgag agttctgtca gacttttctt tttaaaaatt 60
taacatgatt gcttttctca attttggaga agatgtttaa atagttctgt tgtaactttt 120
aatagttttg tgtatcattc aacttttttt cttgcagcac cgaggcacat ttgaaaagat 180
ggaacngaag tcnngntggt taccgctggg ngaatataan nagcantttc agctgtgcgg 240
taatggcnna ntnngnnnct tanctctgcg nngtctngct ctagagatac nacttttgac 300

<210> 1126
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 1126
aagttgtggc aaaggaaact atacttttca tttttaaaaa tgtaaataga aaagttttta 60
acgggcatat nggncaaaag natacgtttt aacgattttt aangatcaaa atgtggcacn 120
gctggtacnt tttatcttgc tgactgcncn catatttntn nagcannctt nctgtncnna 180
gnatgacttn accggctctn taactangat atacttcngg ggggganaaag ctgtgatact 240
atagctaata aatncccact anagngacac tgaagattta aacacaagca ttcataagat 300

<210> 1127
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1127
aattccgttg ctgtcgagcc caggtcccag cggaatgggc ctctctgttc agtaggatcc 60
ccctcctgct gagtggttca tggcatgttt ctgttcaacg cttttccatc tgtaggattc 120
ttattctgta tttatttgtt tttttgggtt tttttatttt ttgagatgga gtctcgctct 180
gtcgcccagg ctggagtgca gtggcacgac cccagctcgc tgcagcctct gcctcccagg 240
acgagggaga tcctcccacc tcagccttcc acgtagctgg gactacaggc atgcaccaca 300

<210> 1128

<211> 300
<212> DNA
<213> Homo sapiens

<400> 1128
gccctgtttg cctataagat gtcatcggtg cagatgatgt ttggggtcaa tttcttctcc 60
tgcctcttca cagtgggctc actgctagaa caggggggccc tactggaggg aacccgcttc 120
atggggcgac acagtgagtt tgctgcccat gccctgctac tctccatctg ctccgcatgt 180
ggccagctct tcatctttta caccattggg cagtttgggg ctgccgtctt caccatcatc 240
atgaccctcc gccaggcctt tgccatcctt ctttcctgcc ttctctatgg ccacactgtc 300

<210> 1129
<211> 261
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(261)
<223> n = A,T,C or G

<400> 1129
aattccgttg ctgtcgatga aattcagtat aaaattgaat agaagtaatg ttaatggata 60
atcttgtctt attcctggtc tcagagagga agtttttaaa tatttaatat gacatacatt 120
gtttgattgg gactantcag caaaatcctt tatcagattt attaagctcc ctttgtttnt 180
taatttatta tgttcnttnn atttntgant ntgnatngan tttatcncan atattctgtt 240
aatnannngt tntttncnnn a 261

<210> 1130
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1130
aattccgttg ctgtcgagaa atggaagaac gtgaaaaaag aaagataatt gctgaagaaa 60
agcacaagga atgggttcag aaaaagaatg agcaaaaaag aaaagaaaga gaacaaaaaa 120
ttaataaaga aatggaggaa aaagcagcaa aggaactgga gaaagaatac ttgcaagaaa 180
aagcaaaaga aaaatatcaa gaatggttaa agaaaaaaaa tgctgaagaa tgtgagagga 240
agaagaaaga aaaggaaaaa gaaaaacaac agcaagctga aatacaggag aaaaaggaaa 300

<210> 1131
<211> 256
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(256)
<223> n = A,T,C or G

<400> 1131
aattccgttg ctgtcgagct gcaccatcac tgcgtatccc tgtgactcct accaggatta 60
taggaatggc aagtgtgtca gctgcgggac gtcacaaaaa gagtcctgtc ccgnttctgg 120
nctattatga tncagttgnn aagncngttc agccnnaagt gcctaatgag nnngcnancn 180
cncattaaat gcnttgcgct nnctgcncag ctnagcaagc ngntaacntg acntgccanc 240
tgtatnaatg aancng 256

<210> 1132

<211> 300
<212> DNA
<213> Homo sapiens

<400> 1132
aattccgttg ctgtcgacac attcgggctt tagaaaagga ggaagaagaa gaaaaacaga 60
agagtttgct gagagaaagg agacgacagc gaaaaaatag ggaatctttc cagatatttt 120
tagatgaatt acatgaacat ggacaactgc attctatgtc atcttggatg gaattgtatc 180
caactattag ttctgatatt agattcacta atatgcttgg tcagcctgga tcaactgcac 240
ttgatctttt caagttttat gttgaggatc ttaaagcacg ttatcatgac gagaagaaga 300

<210> 1133
<211> 265
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(265)
<223> n = A,T,C or G

<400> 1133
aattccgttg ctgtcgcaag gtggtacctc tatgaggctg caagaaccac aacgtagata 60
cagtttagat ggtaataccc aagtccttta aaatatttgg aangcccaan aaggatggaa 120
tncanataat nctcanatag tgaananaan cagtnnannn nntncnntan tatatnttnt 180
gnnattcttt ntngcaacnn nttcnctctt tncntnnata gnaaantnnc tatangnttt 240
nngttnntna tannnnntaa tnatt 265

<210> 1134
<211> 293
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(293)
<223> n = A,T,C or G

<400> 1134
aattccgttg ctgtcgcttt gcaacctacc tgaccctggc ttgctgttct ggacccagga 60
ggcatttccc ctggaacctg attctcctga ccgtctttac cctgtccatg gcctacctca 120
ctgggatgct gtccagctac tacaacacca cctccgtgct gctgtgcctg ggcatcacgg 180
ccttgctgct ctcagtcacc gcttcagctt cagaccaagt tcgacttcac ctcctgccag 240
ggcgggcttt tcgggttttt natgnatttt ttctttnang gaattnatct ggc 293

<210> 1135
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 1135
ttgaaccccc caatagagct cttgtctttt gtttgaaccc ntgattcgaa ttccgttgct 60
gtcgctagcc acatcaccaa ataagtgaac aaacaacagc gacaaatcct ggagtagaga 120

gtatcgttat ccagagctgc agcagtgtag tacctaaaat gttcagtgca gtaaaaatga 180
gacatgcaaa gaaataggaa catgtgattc atacacagga aaaaagacta gaaattacct 240
tgataaggac cagatgttga tcttagtgaa caatgacttc aaagcagcta ttataagtat 300

<210> 1136
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1136
aattccgttg ctgtcgaaag aagtatgact gttagtactt ctcaggaccc atctttctca 60
ggattaaacc aggtctgaaa ctgtctccta ttccaacctc aatcccaaat tcatgtgctt 120
ttctttttta ttgttttatt ttgatgattt ttgttttgtt ttaattctgg agaatgtaga 180
tcttgctcaa gcacctctta cgttggcatt attcagacat acttggcaaa cataacatta 240
ctaagatatt tctttgtggc ttttgcttaa aacttataaa gtttagaaaa aagctaaatg 300

<210> 1137
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1137
aattccgttg ctgtcggttt ctccgtgttg cccaggctgg tcttgaactc ctgggctcaa 60
gcaatccgtc cgctttggcc tccgaaagtg ctgggatttt aaaggcgtaa gccactgcac 120
ccggtaactt tgggttcttg aattcccttc ctcctcttct tcctcctccc ctacactcca 180
ttagagaaag ggtcttgctt tgttgcccaa gctggagtgc ggtggttgtt cacaggcatg 240
atgatcactg cagcctgggc tccagtggtc cgcatacctc agcctgccag tagcaatttg 300

<210> 1138
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1138
aattccgttg ctgtcgggga agtccaagat tgaggggcca gatctggcaa gggcttcctt 60
gctgcatcat cacatggcag aaggcatcat atagcaagag agcaggcagg agatggatgg 120
caatgggggc caaacgcgct tttataacaa acccactccc ttcataaagg acagtccatt 180
tatgagggca gagcccccat gacctaaaca tctcccattg ggcccatctc ccatcactgt 240
tgcattggag attaagtttc caatacatga attttgggtg acacactcaa atgatagtat 300

<210> 1139
<211> 293
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(293)
<223> n = A,T,C or G

<400> 1139
aattccgttg ctgtcgggaa tgaagatgat gacgcctcct tcaaaattaa gactgtggcc 60
caaaagaagg gngaanngaa tgancgcgag agaaanaaag cnagatgaag aanaagcgaa 120
nctgnggaag ctgaaanaac tnagacgagt tagaancngg tnanaaggat cagagtaaac 180
naaaggaatc tcaaaggaaa tttgaagann aaactgtnta atccanagtg actgttgata 240
ctggagtaat tcctgcctct gaananaaag cnnanactcc cacagntgca caa 293

<210> 1140

<211> 300
<212> DNA
<213> Homo sapiens

<400> 1140
aattccgttg ctgtcggctt gaagtatgga aaaactgggc ccagaccaag aatgctgaac 60
tagagaagga tgctcagaac agattggcac ccattgggag gcgccaactg ctgcgattcc 120
aggaagatct catctcctct gctgtggcag agttgaatta tgggctctgt ctaatgacac 180
gggaagctcg aaatggagaa ggtgaaccct atgacccaga tgtgctctac tatattttcc 240
tgtgtattca aaagtatctt tttgaaaatg gaagggtaga tgacattttc tccgatcttt 300

<210> 1141
<211> 291
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(291)
<223> n = A,T,C or G

<400> 1141
aattccgttg ctgtcggtgg tggcgcgcac ctgtagtccc agctacttgg gagactgagg 60
caggagaatc gcttgaaccc aggaggcaga ggttgtggtg agcggaaatc atgccattgc 120
actccagcct gggtgacaga gcaagattct gtctcaaaat aaatacatac atacatacat 180
acatacattc atacatacat acaactttgt tttttctttt ctttcttttt ttttttttna 240
anggnaaang caccaccant naaaaaaccn ttaccgaaan ggnaaaaaaa a 291

<210> 1142
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1142
aattccgttg ctgtcgggca gtggtttctt agatgttgac accaaaagca cacgtggcaa 60
aagaaaaagc aaagtcaaca ccatcaaaga tgaaagtgtt cgtgcttcag ggaacactat 120
caagaaagtg aaaagacaac ccaagaatgg gatagtattt tgcaaatcac atatctgtta 180
agaatcttgt atctattcta gctataggac tcttacaact taataaaaga gaaaacccac 240
ctgggtgcac tggctcacgc ctgtaatccc agcactttgg gaggccaggc ggacggatca 300

<210> 1143
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1143
aattccgttg ctgtcggcac cttcgtgtcc cactactcga gccacctgaa gcggcacatg 60
cagacacaca gcggagagaa gccgttccgc tgtggccgct gcccctacgc ctcagcccag 120
ctcgtcaacc tgacacgaca tacccgcacc cacactggcg agaagcccta ccgctgtccc 180
cactgccccc ttgcctgcag cagcctgggc aacctgaggc ggcatcagcg tacccacgca 240
gggcccccca ctcctcccac tactcgagcc acctgaagcg gcacatgcag acacacagcg 300

<210> 1144
<211> 290
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (1)...(290)
<223> n = A,T,C or G

<400> 1144
aattccgttg ctgtcgccag tgagtacctg caaaaatgag ttgtcacaga aattatgatc 60
ctctatttcc tgaacctgga aatgatgttg gtccaaagtg cgtgtgtgta tgtgtgagtg 120
ggtgcgtggn atacatgtgt acntatatgn ataanacnna tnnacnntan atctaacnta 180
tnancncnnc ctnctncntc cccttcncac gnacngccnt ntnnnncctc agnatccncn 240
tcagcctncn ccntnatgca tcncatgccc gctcagttnt tncctccctc 290

<210> 1145
<211> 296
<212> DNA
<213> Homo sapiens

<400> 1145
aattccgttg ctgtcgattg atagaactac tttgaaaaca attcagtggt cttatttttg 60
ggtgattttt caaaaaatgt agaattcatt ttgtagtaaa gtagtttatt ttttttaatt 120
tcaagtgatg taatttaaaa cctaagttgt gtttcaaaac agcaccaaaa ctgtattgta 180
ttttttttgc tgtaattaac tgtataatgt aaacctaatt attttatcat ggtttaaatt 240
ttttgcatat ttgcttaatc ttatgctgct gattcttcta actgaatttg cagatt 296

<210> 1146
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1146
aattccgttg ctgtcggtga aagtgtacta aaggaagtat accaagcctt taatcccaaa 60
gcagtggtct tacagctggg agctgacaca atagctgggg atcccatgtg ctcctttaac 120
atgactccag tgggaattgg caagtgtctt aagtacatcc ttcaatggca gttggcaaca 180
ctcattttgg gaggaggagg ctataacctt gccaacacgg ctcgatgctg gacatacttg 240
accggggtca tcctagggaa aacactatcc tctgagatcc cagatcatga gtttttcaca 300

<210> 1147
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1147
aattccgttg ctgtcgggga agttaagact tataatcacc catagctttc aaacagaaca 60
cacatagcat ctccaccttc attaccacca tcaccaccac caccacctcc atctccacct 120
gcaaccccag cactaccacc atgaccacca ccaccatcac tgccatcacc atcattacca 180
tcacctccac ctctaccttc aacatcacca tcacaatgac caccaccatc accaccagaa 240
acactgaata aaataatgaa agtgcagcct taggctgggc acggtggctc acacctgtaa 300

<210> 1148
<211> 285
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(285)
<223> n = A,T,C or G

<400> 1148

aattccgttg ctgtcgatgt tggggctggc aaaacgagtc ggtgcccgtc tgctcctggc 60
ctccacatcg gaggtgtatg gagatcctga agtccaccct caaagtgagg attactgggg 120
ccacgngaat ccaataggac ctnggtcctg ctacgatgaa ggcaaacgtg ttttanannc 180
catgtgctat ncctncttga antttanngc gttnatttnc tannnttttn ttannttttna 240
nntnnnnatn ncanntnnac tnatnnntgn agnatntgtc tttat 285

<210> 1149
<211> 280
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(280)
<223> n = A,T,C or G

<400> 1149
cggccgcagg aatttttcca gtcaaaagca tattcgaggg actaaaagga catcaagagg 60
gatacttcag tcaaatgata atcagctatg aaaaaatacc ttcttacaga aaaagtaaat 120
ctcttactcc acatcaaaga attcataata cagagaaatc ctatgtttgt aaggaatgtg 180
ggaaggcttg cagtcatggc tcaaaacttg ttcaacatga gagaactcat acagctgaaa 240
aacactttga atgtaaagaa tgtgggaaga nttatttaag 280

<210> 1150
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1150
aattccgttg ctgtcgcaag ttttcacaag aggccgggca tggtggctca cgcctgtaac 60
cccagcactt tggctattgt ttttttgttt ttttaatttc ttgtagatac gaggttttgc 120
tgtgttgccc aggctagtct cgaactaact cttggcctca agtgatcctc ctgcctcggg 180
ctcctgaagt gctggatata cagtcgtgag ccactgtacc tggccagaac tcctcttcta 240
gggggaagtc aaccacaatg taggaagtca gattgtccca agtccactat gctgtaagga 300

<210> 1151
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1151
aattccgttg ctgtcggcag gggcctcccc ggtcgcccca gcaggcccag gcacataggt 60
gcccagagat ccctggcttc tgatcgcccg gaagactaag agctttagtt ttggtccaga 120
aagcattttc aaggagctgg tcaagcatgg ctttagcaga taagagactt gagaacttac 180
agatctacaa agttcttcaa tgtgtgcgga acaaagacaa gaagcagata gagaagctga 240
ccaagcttgg ataccctgaa ctaatcaatt atacagaacc cattaatggg cttagtgctt 300

<210> 1152
<211> 272
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(272)
<223> n = A,T,C or G

<400> 1152

aattccgttg ctgtcggaga tgtggaatga ggctgagaag caactgcaga acagcttgat 60
ggactttgga gaaccgtgga aaatgaaccc aggagatgga gcattttatg gccctaaaat 120
tgacataaaa atcaaggatg ctattggcag ataccatcaa tgtgctacaa ttcagctgga 180
cttccaactg cctattagat ttaatctcac atatgttagt aaggatgggg atgataagaa 240
gagacctgtg atnattcntt canctcattt tt 272

<210> 1153
<211> 262
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(262)
<223> n = A,T,C or G

<400> 1153
aattccgttg ctgtcggctc cgaggaggaa gaagctaact attggaaaga tctggcgatg 60
acctacaaac agagggcaga aaatacgcaa gaggaactcc gagaattcca ggagggaagc 120
cgagaatatg aagctgaatt ggagacgcag ctgcaacaaa ttgaaaccag gaacagagac 180
ctcctgtccg aaaataaccg ccttcgcatg gagctggaaa ccatcaagga gaagntngaa 240
gagcannctc tgaaggntac cg 262

<210> 1154
<211> 272
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(272)
<223> n = A,T,C or G

<400> 1154
aattccgttg ctgtcggaaa ggttatcaag acacagaact tggcagctct ccttcatgcg 60
attgccagac gtccaaaggg gcagcaacta gcatgggatt ttgtaagaga aaattggacc 120
catcttctga aaaaatttga cttgggctca tatgacataa ggatgatcat ctctggcaca 180
acagctcact tttcttccna ggataanttg cngangtnta tctatttttt tgaaacntct 240
tgaggctcnn ngntnntaat ntnnatattt tt 272

<210> 1155
<211> 288
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(288)
<223> n = A,T,C or G

<400> 1155
gctgcaataa acaagttaac aacaacaatt gcattcattt tatgtttcag gttcaggggg 60
aggtgtggga ggttaacccc nncccccccnc nanccgcctt ncctncncac cnaccctacc 120
acnccntccn cctcctcccc ttctcgnncn ncccccccctc ctccnntatt ccccnccncn 180
tcccttnncc caatcnnccg nacttgncnc ncngccncan nnnctcctcn tccncncncn 240
ntcatctcnt caccccccctn cctctncnct aaccncccccc tctccaat 288

<210> 1156

<211> 292
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(292)
<223> n = A,T,C or G

<400> 1156
aattccgttg ctgtcgtgcc tccaagatgg tgagtcttct tgcgtggtga gggtgggggt 60
tcgggtgcan antatnatan agtgaccnta tnatacnntg angacnnccn agagactctc 120
acnncancan cagttccagg cnttcaaacc gaanacaatc cannaaaagn ggaacatacn 180
gaanaacntt ctantataac nnaactantn actactnata gaaaatattc ntgactaggt 240
cccncanatc cttctnactt ccnatanaaa nagagagntc ttaaccttta aa 292

<210> 1157
<211> 262
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(262)
<223> n = A,T,C or G

<400> 1157
aattccgttg ctgtcgggcg ctttcaactg tactgctgca gctttaagta ccttaaagct 60
tctcctgtga acttcttagg gaaatgttag gttcagaact aaagtgtttt gggtgggtcn 120
tatttcttnn aattntctat nnatnncnct ntnanannta aanttaantt annaatctnn 180
cngttnttan ttanaanatn nantnttntn atctccnngt antatannnt tnntnncata 240
tgtnnatann ntaannntanc ga 262

<210> 1158
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 1158
aattccgttg ctgtcggtag gattataaat ggtttaaaat acgtattctc aaacctcatt 60
ttcagcatat aaatttttaa gaatcagtgt ttaaaggtac gtgaaaccat ttgctagatt 120
tttgtcctag ttttttttt ttaatttaaa aannttannt gttttttaga nannttnnaa 180
tgnccntgcc tcactggcna aacgcnttca gngnnggatc nactgtttaa gangatctcc 240
gggaanaagc cctnanantt tganagggac tgnnntnggt gttcnatnct nccccagttt 300

<210> 1159
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1159
aattccgttg ctgtcgcaca cagcccctct gcaaaggttg ggaaacttgc aaggaattta 60
aggaaatctc tgttcagtca ttagccagcc actaaactaa ctgagcagat ccttcagtga 120

tcacacacaa caaagaatac agactttaca gacttagtcc tagaaaatca ctacacaaac 180
agcaacaaca atgcacctgg gactaaggga gaggagatga gttccagagt tggtatatta 240
tttaaatgtc tagttttcaa taaaaacaat tataagacac agagcaaaac tagaaagtat 300

<210> 1160
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 1160
ctggtgttag ggttctttgt ttttggggtt tggcagagat gtgtttaagt gctgtggcca 60
gaagcggggg gaggtgtggg aggtttaant cnnccacnac catattcnna acnnngtttn 120
anccnnttct tnncacnaan cctatatttg ancccancct ntgnacnngn cntncttgan 180
tcacntnaca tgttanccct ncnaccncct acncatanca ntncnttanc ntnantcncc 240
nttacttnnt ncctnccacc ctgnnncnna ctnncccacn nttcagncct tattctctcc 300

<210> 1161
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1161
aattccgttg ctgtcgataa aatgggaatc ttcttggtat tttatgtgta ttgtaagtag 60
cagttaaatt atttttttaa aagcaatttc agttttaatc actgaacaaa agaaacaggc 120
aacattcact tctgtagtat ggtttccacc tatctctaac accactatta aggtacacca 180
gtgttaaggt acattaataa ctacacaaaa ttttatttaa agagaacact tagcagccta 240
tgatagtttt caataaaatg ttgcctctct ttcggattct cactaacttt tggtactatt 300

<210> 1162
<211> 291
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(291)
<223> n = A,T,C or G

<400> 1162
aattccgttg ctgtcgaaga acttcatggg cttcaataat gtctagaaag taaaatgaaa 60
gaggaatgtt accatcccca gctgccctta tttccagaga accagacgtt tggntgnnna 120
gnggatnnan aancgctnnn cntancaggn tactcgatna aggcaaggta aatatngctn 180
cannagtgcc ctctncnttc ncangagtcc ctcnnatnag cacccttatg ntagggnntn 240
nnnntnnnaa cnttccngnt ngaccanann ttnaccnctg nggccgttag g 291

<210> 1163
<211> 284
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(284)

<223> n = A,T,C or G

<400> 1163
aattccgttg ctgtcggtta gaccaccatt tacatatgca tctttaatta ggcaggccat 60
tctcgaatct ccagaaaagc agctaacact aaatgagatc tataactggt tcacacgaat 120
gtttgcttac ttccgacgca acgcggccac gtggaagaat gcagtgcgtc ataatcttag 180
tcttcacaag tgttttgtgc gagtagaaaa cgttaaaggg gcagtatgga cngtggntga 240
agtagaattc naattaccan ggtnacanna gatctttggc aacc 284

<210> 1164
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1164
aattccgttg ctgtcggcaa ctgtgacctg gagcgctttg ctcaggtctt ggagaaggaa 60
ctgcccctgt atgcgcgccc catcttcctg cgcctcctgc ctgagctgca caaaacagga 120
acctacaagt tccagaagac agagctacgg aaggagggct ttgacccggc tattgtgaaa 180
gacccgctgt tctatctaga tgcccagaag ggccgctacg tcccgctgga ccaagaggcc 240
tacagccgca tccaggcagg cgaggagaag ctgtgattcc ccccatccct ctgagggccg 300

<210> 1165
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 1165
tataagctgc aataaacaag ttaacaacaa caattgcatt cattttatgt ttcaggttca 60
gggggaggtg tgggaggttt tacngacgct aaagaaaacc cntatggcaa gnatgactat 120
aanagnccat tcccnctgca nnccaaaaac taacgcagnt atgccnagaa tgngactgtc 180
tggntcnaac ccagcgnnct gcanacngat gtacngaaga ttttatgaaa tgcatngana 240
ctacctgaaa aatcacagac nttctataag gagctnaacn gtttncgana ggccgtctag 300

<210> 1166
<211> 294
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(294)
<223> n = A,T,C or G

<400> 1166
aattccgttg ctgtcgtacc ccagtaccag tgaggataca ttgggaatta cttggcaaag 60
tcctggtacc tgggctagct tggttccttt ccaagtgtca tatangacnc nnatnttacc 120
ggccanantc cnatantacg gntngantat nttgtgntgc nganccattt tcacaattac 180
tatgtnatnn antganaatg nttnagtnaa aaantncata nctgnaanac atngaatntn 240
aattgggcca tcatntacga nttganctga antatttagg gnactttata aatt 294

<210> 1167
<211> 260
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(260)
<223> n = A,T,C or G

<400> 1167
aatccgttgc tgtcggaaac gctgccagat catcatcttt caggtggtct tcctgggcct 60
cctggctggc ctggtggtcc tcttctacgn ctatcctgtg cgttgcnagn agttgtnnnt 120
tnnctnatgg cnggtattct gtnttntttn nttttttttn ntttnngnag ccnnntgatn 180
atgttttnnt tngttnttnt gnagnntnnn agttttggta ggtttntngt cngnttcnna 240
gntnnattct ntctantgnt 260

<210> 1168
<211> 293
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(293)
<223> n = A,T,C or G

<400> 1168
aattccgttg ctgtcggaag aagttgaagc agaagtgaaa gcagctgcag agatatcaat 60
gggaacagag gtttcagaag aagatatttg caatattctg catctttgca cccaggtgat 120
tgaaatctct gaatatcgaa cccagctcta tgaatatcta caaaatcgaa tgatggccat 180
tgcacccaat gttacagtca tggttgggga attagttgga gcacggctta ttgctcatgc 240
aggctctctt ttaaatttgg ccaagcntgc agcttctacc gntcagattc ttg 293

<210> 1169
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1169
aattccgttg ctgtcgattt aatatacaac ttggtttaga ataaatatct aacaaatgta 60
taattgaatg gcagagacac tgacacttca tttgataggt cattgctcct gcccagtttg 120
ggactgagaa aataatttga tagttggtcc aatgtgtgat acctatgaaa gaaccgagcc 180
tttaatattt tcatctttat gttacagcca ctgtgtcgaa ctcccagcag gcttaccagg 240
aagcatttga aattagtaag aaagaaatgc agcctacaca cccaattcgt cttggtctgg 300

<210> 1170
<211> 292
<212> DNA
<213> Homo sapiens

<400> 1170
aattccgttg ctgtcgccaa gggctcacta agccagaggc caaagtgccc cctcccgttc 60
acctaccacc caagtcctca tgccctccga gggctggggg aggaggggct caaggaaggg 120
gggttccatg tacatattta tcaccccttt cacatagccc caagaccttt tgtacatttt 180
tacaggggtg cccctcccaa cagttccctt cctggttaat taaaccctca gactggtgct 240
gtgttcctag cctctggcct ctctgtgggg aaaggggact gcaaggggaa ga 292

<210> 1171
<211> 263
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(263)
<223> n = A,T,C or G

<400> 1171
aattccgttg ctgtcgggca cagtagttta ccctgttatc tgtgtttcat aatgggggct 60
gtatgaatat tatttataac taataaaatg ttgccagaat tatactaaac tgttggatga 120
gattaggaga tcagaggctg gaccttctct tgataatgct tgttttgtta cagntattan 180
gaaatnnttt gtatgtgatt nntttnntnn tcngnatngt tnatgtnnag atnggtnana 240
nnnnctttttt nantngctga att 263

<210> 1172
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1172
aattccgttg ctgtcgctct ttctggtgac tctctggatt ttgaaaaaca gactctcctc 60
cctcaatagt gaagtgtcca ccctccggaa cacaaggatg ctggcattta aagcgacagc 120
tcagctgttc atcctgggct gcacgtggtg tctgggcatc ttgcaggtgg gtccggctgc 180
ccgggtcatg gcctacctct tcaccatcat caacagcctg cagggtgtct tcatcttcct 240
ggtgtactgc ctcctcagcc agcaggtccg ggagcaatat gggaaatggt ccaaagggat 300

<210> 1173
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1173
tagatcaagc tacttgttct ttttgcagga tcccatcgag ccggcgcgag tgtgcgtgtg 60
tgtgcgtgtg tgtgtgcgag cgcggtggag gggggggacc aactgcttca cactttcaac 120
actgcactga agagggagag cgagagagag actggagacg cacagatccc cccaaggtct 180
cccaagccta ccgtcccaca gattattgta cagagcccca aaaatcgaaa cagaggaaac 240
gaacagcagt tgaacatgga cgaaggaatt cctcatttgc aagagagaca gttactggaa 300

<210> 1174
<211> 299
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(299)
<223> n = A,T,C or G

<400> 1174
aattccgttg ctgtcgttgc acccaaggct gagcctgcca tcatccctgc cacccggaac 60
gagcccatcg ggctgaaggc ctccgacttc ctgcccgcng nganaatncn ccnnnnngcn 120
natctggcnt acaangatga natngacgtg ataggtgnta ncannaacan cataganana 180
aactgnttnt ntgtangnng anngtnntac ntnatccgnt ncatnnaann tngaatncnn 240
atcnnctccn annaggaacc gtcttgagaa gatngcatga nncgaatcct actcttcga 299

<210> 1175
<211> 294
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(294)
<223> n = A,T,C or G

<400> 1175
aattccgttg ctgtcggccg cgaggcggca atgccggctt ggggcttgga gcaacgcccg 60
cacgtggcag ggaaacctcg tctctataaa aaaaagaata caaaaattag ttgggcatgg 120
tagtgagcgc ctgtgaggct gcttgtgagg ctgaggtggg aggatccctt tagtccagga 180
gttcaaggct gcagtgagct gtataatgcc actgcagtcc agcctgngtg acagttanac 240
cctgtctncn natctanatt ttntgnaaag nanacnttaa ggntangatg aaat 294

<210> 1176
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1176
gagcattcca tcgtcttcat tagctcttct atcctctgtc ctgtcctcta gcaagacacg 60
ctggatgcag atatccacat agagacggag gatcatggca tgtataagta catgtcttcc 120
cagcacctct tcaagctgtt ggactgtttg caggaatccc attcattctc aaaggccttc 180
aactccaatt acgagcagcg gactgtcctg tggcgagcag gtaaggccac acagcagata 240
agatagatgg ccacactggt caccttccta aaacattaaa gtgcttggaa aatgcccaaa 300

<210> 1177
<211> 282
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(282)
<223> n = A,T,C or G

<400> 1177
aattccgttg ctgtcggaaa tgtggaagct acctttagga acatggagaa tttccaaacc 60
aacaggcaaa ggaaaactaa cgcacaaaaa tgacattctg aagatgcagg tttcagccag 120
gcgcggtcga gagaanatan aaacggtcaa ttacccnaca tatnctgagg ctgagaaata 180
gtgctnagat ggaaganatg aactncnagt ctctggtcga ccatnctnan ttctnaccnt 240
tnnngncnna ctgtanatga anagggcttt nntcttctgt at 282

<210> 1178
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1178
aattccgttg ctgtcgtcct cttcctggcc cagaagatct tcaatgacaa cagcctcagt 60
atggaggcct tccagcaccg ttctgtgtcc tggtcgcagt tcaacaaggt cattctcctg 120
ccctttggac ctcccacccc caagctcttc atccctgggg cactcagggc ctgctcagcc 180
tccatgcagg gaccttccac tggattctcc acagtgcccc ctcaggtcct ttaggaaggc 240
ctgtcatgga ccagggagga aaaaccccag gcctgggggt tggctctgga gatgcgttct 300

<210> 1179
<211> 300
<212> DNA

<213> Homo sapiens

<400> 1179
atgcccccgg ggccctggcc cagaccgccg cccccggtcc gggcaggaag gagctgaaga 60
tcgtgatcgt gggcgacggc ggctgcggca agacctcgct gctcatggtg tacagccagg 120
gctccttccc cgagcactac gccccatcgg tgttcgagaa gtacacggcc agcgtgaccg 180
ttggcagcaa ggaggtgacc ctgaacctct acgacacggc cgggcaagaa gactatgacc 240
ggctgcggcc cctgtcctac cagaacaccc acctcgtgct catctgctat gacgtcatga 300

<210> 1180
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1180
aattccgttg ctgtcggcta agacaatctc agcttttctt agacaatctt ctatctcaaa 60
cttcagacat tccagaattg tcatgatgtt tacactgtct gagttaaaaa tcctgttcaa 120
gaaaaaaaaa agattttgta tcacttctta aaaaggaata ttcatagcac ttgtcacaaa 180
tagaaggcaa ccatgagata atacaagcca gggagaggct tgtattacat gacaggtgta 240
attagtctgc tgagccagct ttacccaatg aagggcatat gtgttagaga gattagctaa 300

<210> 1181
<211> 263
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(263)
<223> n = A,T,C or G

<400> 1181
aattccgttg ctgtcggttc tgggccagaa agacttccag tttggagtcg tttgctgcgg 60
ggagggaatg aatgggcgct gggaacacgc ccgcgaggtg gggacgcgcc ggccgtatcn 120
aggncnttag nnngagaacg gccnacngnc atctnnttca tgcnccntnn naacntnact 180
nntagnnnac tttnnnncgt gacttnncct tantgtaaaa tannttntnc nngacncagc 240
cganttcatc canntcttnn ngg 263

<210> 1182
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1182
aattccgttg ctgtcggttg aagcctgggc aggtggtgta caagtgcccc aaatgctgca 60
gcatcaagcc cgaccgagcc caccactgca gtgtttgtaa gcggtgcatt cggaagatgg 120
accaccactg tccctgggtc aacaactgtg taggcgagaa caaccagaag tacttcgtcc 180
tgtttacaat gtacatagct ctcatttcct tgcacgccct catcatggtg ggattccact 240
tcctgcattg ctttgaagaa gattggacaa agtgcagctc cttctctcca cccaccacag 300

<210> 1183
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1183
aattccgttg ctgtcgaaga gacagctata tttgtttcaa tgtgtacctc tccttctaaa 60
ctcagttctt aagcatatag tatctttata gctatacacc tagtgtctat cagaccctaa 120

actatggtag gccctcaata cattttattg ttataggtag atagataggc atgagtaggg 180
caggagaggg ctctccctcc acccactaga aatgtcaagt gatgttttaa aaattgtcac 240
actgcctctc agaaaatgat aattcagcaa ccggggagag aatcttctga tggtccacac 300

<210> 1184
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1184
aattccgttg ctgtcgcctt tccaggtcct tccaactttg ttaatttgtt ctactgcctg 60
ggagattcct ttgactttat ctttttacct ttatattgaa ggttttcagc tgtcatattt 120
ttaatttctg gtagtttttt cttgtctatt ccttaatttt ttctttggag acagggtttc 180
actctgtcac ccaggtttgt gacagcctta ctgcagcctc aacctcctgg gcccaagcaa 240
tcctcccact tcagcctcct gagtggttgg gaccacaggt gcataccacc acacgtggct 300

<210> 1185
<211> 272
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(272)
<223> n = A,T,C or G

<400> 1185
aattccgttg ctgtcgacaa agtcgcagat gcatacaaga ctttttcaag aaacacatac 60
agtacaaatt cttagatgaa gactttgtgt tcgatatata cagagacagt agggggaagg 120
gggggaagnt tcntgnnacn tctttgntna tcctnnnnnn ncatgattta ctactttaan 180
gnggnnttgn tggntantng naccatgnnc attncttnan ngtcnngntt ttcttantaa 240
ntcgnntntt ncntnnactg ncctaanatn nt 272

<210> 1186
<211> 288
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(288)
<223> n = A,T,C or G

<400> 1186
aattccgctg ctgtcgccca aactaaaacc ttatctgtct gcattttgaa tgcattttgg 60
tcaaaagtat acgttttaaa gatttttaaa gataaaaatg tggcncaacn gggtttttt 120
gctnnctgat ntangnccct atcnntaann taatctttct ctccnnancc anantncacc 180
antatggtnn aactannnnt naactnacan tgaannntta attngnnnnt ttcnnnaann 240
ntttcnaatn taaatnncta nngnttncaa ctngctcgnn ngaaattc 288

<210> 1187
<211> 261
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(261)

<223> n = A,T,C or G

<400> 1187
aattccgttg ctgtcggctt gggattcttt tatctcctgt ggtggataaa tctgccttaa 60
atatcaatgt aacttggggg ctgggggctt gttttgggtg ccaancncat ctctttangg 120
acagnntaaa tgngattata tctcangnac agttggacct tcagacctaa cnntnaccat 180
tnnccttacc tgtntaantc tgaaatgtaa tanganagat aactgcnaga tgccagctnt 240
cctaatntnc aaagcctttc a 261

<210> 1188
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1188
aattccgttg ctgtcgaaac caaggacaca gtcagcattt aacaaaaagg aatctgcatc 60
tcagtcagaa ctgtattgca tttgcttctc tctggattac cttgaagtta ctccccttcc 120
ccaagcagtg aaacgatgga ccaaaggggt aaatctcttt gaacaagaaa ttattctggt 180
gcctattcat cggaaggtac attggagcct ggtggtgatt gacctaagaa aaaagtgtct 240
taaatatctg gattctatgg gacaaaaggg ccacaggatc tgtgagattc tccttcagta 300

<210> 1189
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1189
aattccgttg ctgtcgcgaa tggtgacccc ctggacggaa gcgcccagaa ggtgccgagt 60
cccgatcccc agcccagcac tcgcggcatc ttcggccttt gccactattt tggtttttat 120
gatttttaac aaggagcgtg aaagcttcag ctgcgcctga gcccacgtgg gcagcgggac 180
ggcatagggg tggcccccat agaagccggg ctgggggtgg cctccgtagg gttgtctggt 240
gtttccacgt ggggtgctaa gaagcaaggc ctggctgggt gcggtggctc ccgcctgtga 300

<210> 1190
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1190
aattccgttg ctgtcgggca aggaaggatt cttctgaagc tttcggagga agcatggccc 60
ggccaacacc ttgatttctg atttctaaac tactcagccc gcctgcaccc aggtgaaata 120
aacagccttg ttgctcacac aaagcctgtt tggtggtctc ttcacatgga cacatgagac 180
acttggtgcc gaagacccag gtcagtgaga ctccttcagg agaccagtcc cctgtcctca 240
ccctcactcc gtgaggaaat ccacctatga ccttgggtcc tcagaccaac cagcccaagg 300

<210> 1191
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1191
aattccgttg ctgtcggttt accagctaca taggataggg cctaacaaag acttactagc 60
acaaagcaag gaggtttcaa ggaagttagt ttataaaaga aactattatt ttttaacact 120
tatgatttat tctttaacaa gaagggaaac tttgaagagg aacttttact ttccacattg 180
aacaaataag taagaaaaag aaagggaaac ttccccaggg ctgaaaggaa attttcaggt 240
catgccatta ttatcagaat taataagacc catgcatcgt ggaaaactga gaacaccacg 300

<210> 1192

<211> 260
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(260)
<223> n = A,T,C or G

<400> 1192
aattccgttg ctgtcgccgg agcgcacccg gccggaagcc gctgtcgggg agccggcggt 60
ggggctggac gcaggtgcaa ctgacatggg tgaaccccag ggatccatgc ggattctagt 120
gacaggggge tctgggctgg taggcaaagc catccanaag gtggtnntna atggagttgn 180
actttntgga taggatttnt ntgttagttn cnantnttac tntgntntaa tctttngnan 240
tnttnggann ttttttgttt 260

<210> 1193
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1193
aattccgttg ctgtcgatct caccctggga agatgtggtg ccccctccag ggctctggag 60
gatggatgcc tcccccaggg gctctccaag ctgggcattt gggcctggtg gatgccaacc 120
tggataacct gtggcccagc attgactgtc cacccagcct tgctgttagg caccatgact 180
ccaagatgaa gatgtggtcc ctgcccttga gtgacagccc agggacttaa tgtggccatc 240
gggcatcaag cacaaggcca tgcaggtgat gatacgtcgg aatagaggca ccagccctgg 300

<210> 1194
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1194
aattccgttg ctgtcgggaa gctcgatgtc ccaatattgg agagtgttgg ggaggtggag 60
aatatgccac cgccacagcc acgatcatgt tgatgggtga cacatgtaca agaggttgca 120
gattttgttc tgttaagact gcaagaaatc ctcctccact ggatgccagt gagccctaca 180
atactgcaaa ggcaattgca gagtggggtc tggattatgt tgtcctgaca tctgtggatc 240
gagatgatat gcctgatggg ggagctgaac acattgcaaa gaccgtatca tatttaaagg 300

<210> 1195
<211> 265
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(265)
<223> n = A,T,C or G

<400> 1195
aattccgttg ctgtcggtgg aggttgccgt gagctgagat tgcgtcactg aactccggcc 60
tgggtgacag aaggaggctc tgccttaann ganaaaaaan cntcntggaa ctgttgnang 120
gataaaatna aggattgagg nattgaggna ttgntgacnt gnacntcnag gngtcnnatt 180
tttttaaang ggggggcncg naccgggncc gnntncntnt tntttcnagg caggtgggnn 240
tgngnnaann caanaggnat tccnt 265

<210> 1196

<211> 257
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(257)
<223> n = A,T,C or G

<400> 1196
aattccgttg ctgtcggtga atgatgatga tgccattgtt gctgcttcga agtgcttgaa 60
aatggtttac tatgcaaatg tagtgggagg ggaagtggac acannttnca ntgannaaga 120
tgntnaagag cccatncctn agaccanctt atntnatacc tnttganctn ttnngatntc 180
atntnangtn tcannatntg ccntnnnctn ngccacnngg cnntatgcnt tntnngncna 240
ttntttntnc ntcatct 257

<210> 1197
<211> 286
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(286)
<223> n = A,T,C or G

<400> 1197
aattccgttg ctgtcgagat gaccctgctt tcttggtcct gttaagtatc tggctctgtg 60
tgtccactat aggatttggc tttgtgctgg acatgggatt ctttgagaca ataaagcttc 120
tcctttgggt tgcnctnata nattgtgnat gngcntgntc ntntttncgt tnnanaatnt 180
tcctttnnan ancnggncat ntaattnant tnaaaggaat naccctngcc cnnggnttaa 240
naannanttc ttnnanatnn ggaacnttnt ccccttttnna attttc 286

<210> 1198
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1198
aattccgttg ctgtcggacc cataggcatg ccagacatgg gcatggggtt catgttcatc 60
tgtcccatgt gaccactgct gccattcatg tgcaccatac tatacactgc aggattcccc 120
tggtgggcaa actgctgctg ggaaaaggag ctgtaagtaa acaaatggta atattacctc 180
tggaagtcac tttagcgaca aagggcatgc ccacagaaat tactacaatt gtgtcaaaca 240
ttgctatact taagctggga atgttagaga aaactccctg acagcctgtg atccattttt 300

<210> 1199
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1199
aattccgttg ctgtcgacca gacagagctt ccagagtgtc aggacatgtg tgacttagcc 60
cagattcaga ctttagtcac aagcaggatc agcatagaca tctagctccc agcatggcaa 120
ttctctgttg tgtctccctg tttgtattgg ctgcaggaaa gctcagagcc aagtctgcga 180
taagctgatc ctaagtgtga acgtgaagtc cccagccctg ctgctgagcc agttgctgcc 240
ctacatggag aacaggaggg gtgctgtcat cctggtctct tccattgcag cttataatcc 300

<210> 1200

<211> 300
<212> DNA
<213> Homo sapiens

<400> 1200
gggcggctcc gggcaggggg gcacgatctt aaggacagtc gctccctgaa cgcggagccg 60
gaggagacga agggaaggtg gagcggacgc cacccgcgca ccgggcaggc gcggagaccg 120
gcgtgggaca gccacctgga gcgcagctgc cagaaagaag gactttgctg ctttgggcca 180
ggatctgaac ttaggtgtaa accattgccc tggcagaggg aacctaccca gtccattgct 240
gcctgctaca agatatgaac agtaatggca catattttgg ttatgagtca ctcagtggac 300

<210> 1201
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1201
aattccgttg ctgtcggcat cagcaggcac tgtcctccct ggagctgctc aacgttctct 60
tcaggacctg caaacatgag aagctgacct tggacctgac ggtgctcctg ggtgtgctgc 120
aggggcaaca gcagagccta cagcaggggg cacactccac cggctccagc cgcctgcacg 180
acctctactg gcaggccatg aaaaccctgg gagtccagcg ccccaagttg gagaagaagg 240
atgccaagga gatccccagt gccacccaga gccccatcag taagaagcgg aagaaaaagg 300

<210> 1202
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1202
aattccgttg ctgtcgatgc tcccaggtct ccagtgtcac ctctcggtac agtgtcctct 60
gggccaggtc cagctgttcc cactcctcct gtgtgaatgc catagccaca tcctcgaagc 120
acacagatgc ctgaaacagg gcacttgtta ctgctcagag accccaggtc ctcatgccct 180
cacggaggta cctgttaagg cctaaatgtt ggtgtccccc cgtaaaattc atacattgga 240
acctaatacc cagtgagata gtgttaagag gtggggtctt tacaaggcaa ttaatgtcct 300

<210> 1203
<211> 298
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(298)
<223> n = A,T,C or G

<400> 1203
gaaaggcacc agtatgtgtt ttagattgat ttccctgttt cagggaaatc acggacagta 60
gtttcagctc tgatggtata agcaaaacaa ataaaacgtt tataaaagnt gtatctngat 120
acactgnnnt tnnacatgnn ancannttat gnnnnntant ctatgccacc ttnnngtcac 180
ntnttnnann ctctancntt ncancttnct tgntncntnt cctnattcgn nngtgccaag 240
agantntntn cngnagnnac cnttcctttg ccaccttctt gctctgtntn tattacct 298

<210> 1204
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1204

aattccgttg ctgtcgagca cattgaccac cacattcagg gccaggggct cagtgggcaa 60
gggctctgtg cccgtgccct gtacgactac caggcagccg acgacacaga gatctccttt 120
gaccccgaga acctcatcac gggcatcgag gtgatcgacg aaggctggtg gcgtggctat 180
gggccggatg gccattttgg catgttccct gccaactacg tggagctcat tgagtgaggc 240
tgagggcaca tcttgccttc ccctctcaga catggcttcc ttattgctgg aagaggaggc 300

<210> 1205
<211> 267
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(267)
<223> n = A,T,C or G

<400> 1205
aattccgttg ctgtcggcag gttggtgtca aaggaaatcc ccaaggcttc aaccagggtc 60
tggattgtga tgtgatcgta gctgaggtat gtgcttctca ggcctgcaaa gcttccacat 120
ttttgttgan atnanttatt catgnngact tgtatcnnnc tcnnnacnnt tnnntcnctn 180
naanctgnnt annnctatnn tnancttcgn aactnatctt gattacntnt tctncatcnt 240
annnttnatt tnantaannn ntgntga 267

<210> 1206
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1206
gccacgggat cctcagcggc ttcaacaaga cggttctgcg gacgctcccg cggagcggaa 60
acctcattgt ggtggagagc gtgctcatgg cagtggcctt cctggccatg ctgctggtgc 120
tgggtttgtg cggagccgct taccggccca cggaggagat cgatctgcgc agcgtgggct 180
ggggcaacat cttccagctg cccttcaagc acgtgcgtga ctaccgcctg cgccacctcg 240
tgcctttctt tatctacagc ggcttcgagg tgctctttgc ctgcactggt atcgccttgg 300

<210> 1207
<211> 294
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(294)
<223> n = A,T,C or G

<400> 1207
gtagagaaca acctgctgca tctggaagac ttatgtgggc agtgtgaatt agaaagatgc 60
aaacatatgc agtcccagca actggagaat tacaagaaaa ataagaggaa ggaacttgaa 120
accttcaaag ctgaactaga tgcagagcac gcccagaagg tcctggaaat ggagcacacc 180
cagcaaatga agctgaagga gcggcagaag ttttttgagg aagccttccn ccnggacctg 240
gacctgtanc tgttcnntgg gtacntnctg aannttgngt gtnntnagct cctt 294

<210> 1208
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1208

aattccgttg ctgtcgctgg tgatgagatc gggaaagtgg gctcaggagg tctggatctg 60
tgatgagatg gggaaagtgg gctcaagagg tctggatctg tggtgagatg ggggaagtgg 120
gctcaggagg tctggatctg tgatgagatg gggaaagtgg gctcaggagg tctggatctg 180
tgatgagatg gggaaagtgg gctcaggagg tctggatctg tgatgagatg ggggaagtgg 240
gctcaggagg tctggatctg tgatgagatg ggggaagtgg gctcaggagg tctggatctg 300

<210> 1209
<211> 278
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(278)
<223> n = A,T,C or G

<400> 1209
aattccgttg ctgtcgcagc cttatcattg gttatgccag aaacccttcg ctgaagcagc 60
agctgttctc atatgctatc ctgggatttg ccttgtctga agctatgggt ctcttttgtg 120
tgatggttgc ttncttgngn gtgcttnnca ngaccnaaga ncataggaaa cacctgagta 180
gctcttntcg tgctggccac caggagaagg agcantatag tcgcctgagn gnnggcggcc 240
attatnacag ccngaanaca ctttctacnt cttcaatg 278

<210> 1210
<211> 281
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(281)
<223> n = A,T,C or G

<400> 1210
aattccgttg ctgtcggaag ctagatggac taggagagac ttgattttgg tgctaaagtt 60
ccccagttca tatgtgacat ctttttaaaa aaaataacaa caaaaaaaaa atgananaaa 120
agctaaaaaa aaangnangg ggngancagt naanggnatt nattccacat ncaanatcng 180
ggnaaaacga tttcctgtaa aagnaccttn aagggttttn gntntaaaan nccgnaggtc 240
tatccttaaa gcantnacnc cangctttnt tccctgggtt t 281

<210> 1211
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1211
aattccgttg ctgtcgctca gcccgcctgc acccaggtga aataaacagc catgttgctc 60
acacaaagcc tgtttggtgg tctcttcaca gggacacgga tgaaatttgg tgccgtgact 120
cggatcgggg gacctccctt aggagatcaa tcccctgtac tccttttctt tgccctgtga 180
gaaagatcca cctatgacct cagtcaggtc ctcagaccga ccagcccaag gaacatctca 240
ccaattttaa atcagacctt gaagatttgt tgttcaagga gaaactgaag agcaagaagg 300

<210> 1212
<211> 293
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (1)...(293)
<223> n = A,T,C or G

<400> 1212
aattccgttg ctgtcggaaa tgacccgccc tcaatgctgg ctgctgctaa cattaatgag 60
aaggtggcct tcagcgtgna nctgaggnnn naangncaca nnanntgaat gcttnnagcg 120
acngaaatgg aatattctga naatgancan nancnncacc actacnacag aaagangttg 180
gaggctnctg taccctgntc attccttang ggncntgctt nccttaataa gtaagtaagt 240
tggtntacng ccctnnatat gcaaatgaga gctgaaagtt tttaaaaggt aca 293

<210> 1213
<211> 280
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(280)
<223> n = A,T,C or G

<400> 1213
aattccgttg ctgtcgcttt gaaatgtaac aaatggtact acaaccaatt ccaagtttta 60
atttttaaca ccatggcacc ttttgcacat aacatgcttt agattatata ttccgcactc 120
aaggagtaac caggtcgtcc aagcaaaaac aaatgggaaa atgtcttaaa aaatcctggg 180
tggacttttg aaaagctttt tttttttga aacggagtnt tgctntgtng cccaggntgn 240
agggcannan nncnatctng gntaattgca ccntccgttt 280

<210> 1214
<211> 259
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(259)
<223> n = A,T,C or G

<400> 1214
aattccgttg ctgtcgctga gtaatctgga agaaacctgc cccatgacat gtattctcgg 60
aaagtgtgct gtgttgtcat tcaaggactt cctctcctgc aggccaactg aaataccaga 120
aaatgacatt ctgctttgtg agagccgcta caatgagagc gacaagcaga tgaagaaatt 180
caaaggattg aagagggttt nactctctgc tanagcgtag acgatnnant ttacnctntc 240
nnanctcnat nttncanct 259

<210> 1215
<211> 276
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(276)
<223> n = A,T,C or G

<400> 1215
aattccgttg ctgtcggtct ctgtgtgtac ctcccattga gtagagaagc ttaagataat 60
ttctgagaga agaacactgc tgattgtggg agcagtttag gagtccatgg aagaaagaaa 120

aatacatgtg tcttggcagc catggtgtat ttttgtccaa atggattgga aggatatttg 180
aatatttgaa tgntgntncn acataangtt gannnncact ntcnattcnn ccnntgaant 240
acantnctgn cnancnctnt cnccttaatn tcnttc 276

<210> 1216
<211> 299
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(299)
<223> n = A,T,C or G

<400> 1216
aattccgttg ctgtcggtag agatcatctt tacagttcct cgggaaaatg tgaatgtgct 60
gcgttttgtt ttctttactg tatgaaaaca ggaaaataaa agagaaattt agaaaataca 120
gctcattaca ataaaattgt tggatttcat ttccccaggt cttcagtgtt gatgtaaatg 180
tgttttgtag tgttgcttag cactttgcgc attgtgtang ttgggtaaca nntanggcta 240
nctaanngca nnntttccan ncntttngnt ctgaanacct tcntttannc tgcccattg 299

<210> 1217
<211> 296
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(296)
<223> n = A,T,C or G

<400> 1217
aattccgttg ctgtcgcagc tttattgctc acacaaagcc tgtttggtgg tctcttcaca 60
cggatgcgca tgaaatttgg tgccgtgact cggatcgggg gacctctctt aggagatcaa 120
tcccccgtcc tcctgctctt tgctccatga gaaagatcca cctatgacct caggtcctca 180
gaccgaccag cccaagaaac atntcaccaa tttcaaatct ggncttcana tggaaaggan 240
cnngtatccn naaagangtg atcaangatt gcntnctgag ganntcatat gcactt 296

<210> 1218
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1218
aattccgttg ctgtcgcgaa ataatacgtg tagatgcccc tgatccaggt gcagacccgc 60
tggctagcag tgtgaacggc atgtgcctgg atattcctgc tcacctgagc atccgcatcc 120
tcatctcgga tgctggcgcg gtggaaggga ttactcagca ggagatactc ggtgtagaga 180
caaggttctc ctcagtgaac tggcagtacc agtgtgggct tacctgtgag cacaaggccg 240
accttctccc tatcagtgca tccgtccagt ttattaaaat tcctggcagt taccccaccc 300

<210> 1219
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1219
aattccgttg ctgtcggcca ggaaaggcaa ggggcagatc gagaagagga agctgcggga 60
gaagcggcgc tccaccggcg tggtcaacat ccctgccgca gagtgcttag atgagtacga 120

agatgatgaa gcagggcaga aagagcggaa acgagaagat gcaattacac aacagaacac 180
tatacagaat gaagctgtaa acttactaga tccaggcagt tcctatctgc tacaggagcc 240
acctagaaca gtttcaggca gatataaaag cacaaccagt gtctctgaag aagatgtctc 300

<210> 1220
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1220
catcttggcc atgctggtct tgaactcctg acatcgtgat ccatctgcct cggcctccca 60
aagtgctggg attacaggca tgagccacag tgcccggcca ttttgcccat tttttaatca 120
ggttatttgc ttttttggga agattcgcgg ccgctatcta cgtagatcca gacatgataa 180
gatacattga tgagtttgga caaaccacaa ctagaatgca gtgaaaaaaa tgctttattt 240
gtgaaatttg tgatgctatt gctttatttg taaccattat aagctgcaat aaacaagtta 300

<210> 1221
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1221
aattccgttg ctgtcgagca aataccaagg cctaaaaaag aatgaattat ttgctgtttg 60
ggaaatggaa gcccacgctg agtgctgaag cacagggact ctgcgcagga agaggagggg 120
aagcaagaaa tgaatttggg tccttgtgat ggcagtggct gctgccatca cgctgtgtgg 180
ctagggctgc acacttcatg gagccggtgg aagccccgtc cctcatgagt tgggactgga 240
gccgcaaacc gctgctgcag acccaggcct tctgctctat ggagcaggca ggagccccac 300

<210> 1222
<211> 270
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(270)
<223> n = A,T,C or G

<400> 1222
aattccgttg ctgtcgcagc cttgttttat gccacttttc tctccccata ccttcccctc 60
atgtgtactt agccacctgt gttgctttga atctgctgcc agttctggct caaatgtggc 120
acaaaatnag nacttnagac gcaccatgan ntncntgtgg ctatnnnttc tnangantng 180
tttnacnntt nctgtnntat nntntgntta ngnttnagnn gtnnnnnnta nnnnnaaata 240
nnnnatgatg nttntgncna tcnntntnat 270

<210> 1223
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1223
aattccgttg ctgtcgcttc gtggagctct tccagagctg gccgctgctg gagaggccct 60
ggaaggcctt cctcaacctc tcggccatcg tgctcttcct gttcatctgt ggcctcctgc 120
cctggatcga caacatcgcc cacatcttcg gcttcctcag tggcctgctg ctggccttcg 180
ccttcctgcc ctacatcacc ttcggcacca gcgacaagta ccgcaagcgg gcactcatcc 240
tggtgtcact gctggccttt gccggcctct tcgccgccct cgtgctgtgg ctgtacatct 300

<210> 1224

<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 1224
aattccgttg ctgtcggaag aacataaaca ggatgctgag agattgggtc tctccacatt 60
gccccggctg ctctccaacc cctgagttca agtgattcac ctcccttggc ctcccaaagt 120
actgggatta caggcgtgag ccaccgtgcc tggctgagaa gatggattta agacatattt 180
tggaggtaac attgtcagga cttcctgaag gattanatgt ggaagggaag gataagaaac 240
agaccaagga taactttcaa atgtatgctt aagcaactgg atggataatg atgccattga 300

<210> 1225
<211> 286
<212> DNA
<213> Homo sapiens

<400> 1225
aattccgttg ctgtcgcgaa tggtttagcg ccaggttccc cacgaacgtg cggtgcgtga 60
cgggcgaggg ggcggacgct atctacttag atccagacat gataagatac attgatgagt 120
ttggacaaac cacatctaga atgcagtgaa taaaatgctt tatttgtgaa attatgtgat 180
gctattgttt tatttgtaac cattataagc tgcggatata caagttaaca acaacaattg 240
cattcatttt atgtttcagg ttcaggggga ggtgtgtgag gtttta 286

<210> 1226
<211> 268
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(268)
<223> n = A,T,C or G

<400> 1226
aattccgttg ctgtcggcgc ggggcagcaa cagtcgcagg agatgatgga ggttgacagg 60
cgggtcgagt ctgaagaatc cggcgatgaa gaagggaaga aacacagcag tggcatcgtg 120
gccgacctca gtgaacagag cctgaaggat ggggaggagc gnttgnagga nganttnnnn 180
nnnttnttnt ngtgcttnnn canttnnant nnncttccnt nanagttngc tnnangnnnn 240
nnttttatan nntatcnnnn nnatcatt 268

<210> 1227
<211> 289
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(289)
<223> n = A,T,C or G

<400> 1227
aattccgttg ctgtcgcagg aagtgaggat acttctggcg agcgccggtt gctgtttctt 60
ctcaggctca gggaccggcc gcggccccgt agggggtttt aactcaaatg ggtgatgaaa 120

aggactcttg gaaagtgaaa actttacatg aaattcttca ngaaaagaaa cgaangangg 180
aacangagga gaaagcagag ataaaacgct taanaaattc tgatgaccgg gattccaagc 240
gggattccct tgaggagggg gagctnanag atnactgcat ggagatcac 289

<210> 1228
<211> 264
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(264)
<223> n = A,T,C or G

<400> 1228
aattccgttg ctgtcgcttt ttatcacctc ccctcctcac acctggtccg gcttacagtt 60
tcgttccgtg actagccctc ccccacctgc ccagcaattt actcttaaaa aggtggctgg 120
agctaaagac atagtcaagg ttaacgctcc tttttcttta tccnnaatnn gatacgtnta 180
agntcctttt tnaanncann ttannnnnna gncnanntna tgncttnann cncnntnanc 240
ntgctgagac ncannaatnt ttaa 264

<210> 1229
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1229
aattccgttg ctgtcgggag tcggaacatc atcttcagcg ggctatttca gcacagcagg 60
tgtatggcga gaagagggat aatatggtta taccggtccc agaggcagaa agtaatattg 120
cttactatga gtctatatat cctggggaat ttaagatgcc aaagcagctc attcacatac 180
agccttttag tttggatgct gaacagcctg attatgattt ggattctgaa gatgaagtat 240
ttgtgaataa actgaaaaag aaaatggaca tctgcccatt gcaatttgag gagatgattg 300

<210> 1230
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1230
ctatctacgt acagccagac atgagaagat acattgatga ggttggacaa accacagcta 60
gaatgcagtg gagaaaatgc tttatttgtg aaatttgtga tgctattgct ttatttgtaa 120
ccattataag ctgcattaaa caagttaaca acaacagttg cattcattct atgtttcagg 180
ttcaggggga ggtgtggggg tggagttgtt caggtatctt gggatatata tatgcattct 240
aaaatctgta gcagcataac tcctttggga atcatgagac atttttgtct cttacctgtt 300

<210> 1231
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1231
aattccgttg ctgtcgcagg aggaagccgc ctacatccaa gagatcacca cggcagatgg 60
ccagaccgta cagcacctgg tgacctccga caaccaggtg cagtatatca tctcccagga 120
tggtgtccag cacctgctcc cccaggaata tgttgtggtc cctgaaggcc atcacatcca 180
ggtacaggag ggccagatca cacacatcca gtatgaacaa ggagccccgt tccttcagga 240
gtcccagatc cagtatgtgc ctgtgtcccc aggccagcag cttgtcacac aggctcaact 300

<210> 1232

<211> 300
<212> DNA
<213> Homo sapiens

<400> 1232
aattccgttg ctgtcgccag gaccctgggg aaaggaagcc agcccccagg gccagtcccg 60
gaggggctga tccgcatcta cagcatgagg ttctgcccct attctcacag gacccgcctc 120
gtcctcaagg ccaaagacat cagacatgaa gtggtcaaca ttaacctgag aaacaagcct 180
gaatggtact atacaaagca ccctttggc cacattcctg tcctggagac cagccaatgt 240
caactgatct atgaatctgt tattgcttat tcttgagtat cagaacacca ccttctttgg 300

<210> 1233
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1233
aattccgttg ctgtcgccca aacccactcc accttactac cagacaacct tagccaaacc 60
atttacccaa ataaagtata ggcgatagaa attgaaacct ggcgcaatag atatagtacc 120
gcaagggaaa gatgaaaaat tataaccaag cataatatag caaggatcct cctgtttacc 180
ctgtacctcc aatgtctggc acttgtaggt gctcaaatat tcgttgaatg aatgaaaaat 240
ccatattgta attgatgtcc tctggccaca tagttttaaa attaggtgat tgattatatg 300

<210> 1234
<211> 279
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(279)
<223> n = A,T,C or G

<400> 1234
aattccgttg ctgtcgttca aatatggaga ttaatcacca acttcttatt ttttgggcca 60
gttggattca atttttatt taacatgatt tttctatatc gttactgtcg aatgctagaa 120
gaaggctctt tccgaggtcg gacagcagac tttgtattta tgttcctttt tggtggattc 180
ttaatgaccc tttttggtct gtttgtgagc tgagttttct tgggccaggc ctttacaata 240
aggcacgtct ntgngtggnn cncnantgaa ccccttatg 279

<210> 1235
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1235
aattccgttg ctgtcgggtt gttaaaaatg tcatctcaag tcaagtcact ggtctgtttg 60
catttgatac atttttgtac taactagcat tgtaaaatta tttcatgatt agaaattacc 120
tgtggatatt tgtataaaag tgtgaaataa atttttttata aaagtgttca ttgtttcgta 180
acacagcatt gtatatgtga agcaaactct aaaattataa atgacaacct gaattatcta 240
tttcatcaaa ccaaagttca gtgtttttat ttttggtgtc tcatgtaatc tcagatcagc 300

<210> 1236
<211> 207
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (1)...(207)
<223> n = A,T,C or G

<400> 1236
aattccgttg ctgtcgctca gttttggcgg agcaaagtcc tagaggtggc caaggacttc 60
cctgagtaca cctttgccat tgcggacgaa gaggactatg ctggggaggt gaaggacctg 120
gggctcagcg agagtgggga ggatgacaat gccgccntcc tgaacgacag tgggaaaaag 180
antgncnttt ngnnananga nnnngnt 207

<210> 1237
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1237
aattccgttg ctgtcgccca ggccatgaag cattatacag aagccatcaa aaggaacccg 60
aaagatgcca aattatacag caatcgagct gcctgctaca ccaaactcct ggagttccag 120
ctggcactca aggactgtga ggaatgtatc cagctggagc cgaccttcat caaggggata 180
gtccccttc tgaaaacact cgttgccttt gttcttctcc tccaaagcca gctaaattcc 240
aaataccaga gactgaaatt ttcagccttg ctaagggaac atctcgatgt ttgaaccttt 300

<210> 1238
<211> 249
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(249)
<223> n = A,T,C or G

<400> 1238
aattccgttg ctgtcggctg acagctattt tgaaatttgg agcagaggat ctcttcaaag 60
aactggaagg ggaggaatca gaacctcagg aaatggatat agatgaaatt ttgcggttgg 120
ctganacgan agagaatgaa gtgtcancna gtgcncagat gaanttctat cacagantaa 180
ggttgtnaan tttgcagcna tggangatgn gtaactnntn taaaancntg gncntgnttn 240
gtngggata 249

<210> 1239
<211> 269
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(269)
<223> n = A,T,C or G

<400> 1239
aattccgttg ctgtcgggac aacgccaagc tggtgcctgt gctctcagcc aaggcggccc 60
aagccagtga cctggaaaaa atccacctgg atgagaagtc tttccgttgg ttgcacaacg 120
aggaccagat ggctgtggag aagctttntg acgggatcng caagtttgcc ngtgatgcag 180
tnaagcnnnn ncgcttnctt gnnagatnga atgtntttat ngttaatngn aanantttgg 240
tntctanntg gtgtntntnt nattatgnc 269

<210> 1240
<211> 294

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(294)
<223> n = A,T,C or G

<400> 1240
aattccgttg ctgtcgatat tttggaggac gggtgaagag gtaataacga aagcaagcga 60
gtgaattagg atttcaaagt gccctaatag tgtgagtctc cagttcctag aatatgaaga 120
gtgctgtcgt tggggtgaaa ccatgagact gacagatctg cctgaaatgg ggggtgtgta 180
angtgtcgtn cctgagtggc nnggnnnngn ggntatgngn gntngnggga ngnggnntng 240
nntcggngnn gntnncnnnt gtgggnntgn tntntatntn ggnnngattt cggg 294

<210> 1241
<211> 285
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(285)
<223> n = A,T,C or G

<400> 1241
aattccgttg ctgtcggtat cgccaccgtg ctgcagcacg aggagcgccg ctgccagtac 60
ctcacccggg aggccaagct gatcctggca ctccaggatg aggtgtccgc catggctgat 120
ggaaatgaag gtcctcagtc cccattccat cacatcctgc ccatttgcgt cattgcccna 180
aacctnaagg aancttatga nagcctgngn ncgtnagacg tantgcggct tcacatnaac 240
anctggctng anntgagctt ttgcntgncc tacatgaacc actat 285

<210> 1242
<211> 250
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(250)
<223> n = A,T,C or G

<400> 1242
aattccggtg ctgtcgaacc atccagatta gatgtcacca acagtgagag cccagaaatt 60
cctttgaatc caatttggc cttggatgat gaagggacac ttgggcccct gcctcaggta 120
gatggtgttc agacacagca gactgcagaa gttatatgag tgntanttct gaanaaccnt 180
tgctgacttt ttntgnnaan ttnttacant nanngnaatt tctttcctgn tctatnngat 240
cantntctcc 250

<210> 1243
<211> 266
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(266)
<223> n = A,T,C or G

<400> 1243
aattccgttg ctgtcggaaa gggctaaaca tgtgaggcct ggagatagtt gctaagttgc 60
taggaacatg tggtgggact ttcatattct gaaaaatgtt ctatattctc atttttctaa 120
aagaaagaaa aaaggaaacc cgatttattt ctcctgaatc tttttaagtt tgtgtcgntn 180
tttncggcng aactaanttc natncnttga ncttanctnn tangctnggn cctcnatncn 240
tnatnntncg nagagatcga nncnnt 266

<210> 1244
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1244
aattccgttg ctgtcgaagt ggcttaggga tggggtagag tagttgactt atttggatga 60
aaaccactat cttctgtcag aaactcaaaa ggaatcattg ctggcatggt aacctaaaga 120
aaaacaacca gacaagtgcc caacgacact taaaaaggtg atttattagc ttgccaagtt 180
taggctgggc atggtgactc atgcctctaa tcccagcatt ttgggaggct gaggctggtg 240
gatcaccgga ggccaggact ttgagaccag cctgaccaat atggcgaaac ctcgtccctg 300

<210> 1245
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1245
aattccgttg ctgtcgcaat taaacacccc agtgtgaatg agaacttctg caatgaaaag 60
gaaggggctc agttcagcag tcatcttatc aatcttctga accctaaagg aaagccagca 120
aaccagctgc ttgctctcag gacttttttgc aattgttttg ttggccaggc aggacaaaaa 180
ctcatgatgt cccagaggga atcactgatg tcccatgcaa tagaactgaa atcagggagc 240
aataagaaca ttcacattgc tctggctaca ttggccctga actattctgt ttgttttcat 300

<210> 1246
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 1246
aatttcgttg ctgtcggtgg aagataacca caaggccgac atcagctcct ggttcatgga 60
agccatagag tacatcgatg ccgtgaagga ctgccgtggg cgcgtgctgg tgcactgcca 120
ggcgggcatc tcgcggtcgg ccaccatctg cctggcctac ctgatgatga agaaacgggg 180
gaggtgtggg aggttttncc aagtgcttct gtagatancg tcantnggac tagatattcn 240
acaggccnta acttgantct attgccnntg tctttatnan atgtacnttt tatattctgt 300

<210> 1247
<211> 287
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(287)
<223> n = A,T,C or G

<400> 1247
aattccgttg ctgtcggaaa aattaaagaa gatgatgctc caagaacaat agcttgccct 60
cataaaggct gcacaaagat gttcagggat aactcggcca tgagaaaaca tctgcacacc 120
cacggtccca gagtccacgt ctgtgcagaa tgtggcaaag cttttgttga gagttcaaaa 180
ctaaaacgac accaactggt tcatactggt gagtagccct ttctgtgctc gttctaaggc 240
tgtgggaaac gctttncnct gtcttcantt ngcncacncn tgtgcga 287

<210> 1248
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 1248
aattccgttg ctgtcggccg agcttgacac cctcaacgag gactcctaca aggactccac 60
gctcatcatg cagctcctcc gcgacaacct cacgctctgg acgagcgacc agcaggacga 120
cgatggcggc gaaggcaaca attaaggccc caggggaact ggcagcgcac gcggatgcta 180
ctactgcagt ctttatttttt ttcccatgag ttgggggtcg ggtgggggag gtgtgggagg 240
gnatgacctt cccagggaga aacccacgac ctgtcctgnc tttgatcgnc tctttgacat 300

<210> 1249
<211> 291
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(291)
<223> n = A,T,C or G

<400> 1249
aattccgttg ctgtcggcag tttggggaag tctggatggg ttactataac aacagtacca 60
aggtggctgt gaaaaccctg aagccaggaa ctatgtctgt gcaagccttc ctggaagaag 120
ccaacctcat gaagaccctg cagcatgaca agctcgtgag gctctacgct gnggncacca 180
gggaangagc ccattnacat catcatcgat tacntngtna aggncantnt gntgaatttt 240
ntgnttannn atnanngcca nnannntnnn tctacnaaan nntatttcta t 291

<210> 1250
<211> 231
<212> DNA
<213> Homo sapiens

<400> 1250
aattccgttg ctgtcggttt tggaggccct tgcttttctt catcatgagg gctatgtcca 60
tgcggacctc aaaccacgta acatattgtg gagtgcagag aatgaatgtt ttaaactcat 120
tgactttgga cttagcttca aagaaggcaa tcaggatgta aagtatattc agacagacgg 180
gtatcgggct ccagaagcag aattgcaaaa ttgcttgccc aagctggcct g 231

<210> 1251
<211> 289
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (1)...(289)
<223> n = A,T,C or G

<400> 1251
tttggacaaa ccacaactag aatgcagtga aaaaaatgct ttatttgtga aatttgtgat 60
gctattgctt tatttgtaac cattataagc tgcaataaac aagttaacaa caacaattgc 120
attcatttta tgtttcaggt tcaggggggag gtgtgggagg ttttcannca ccacctgaca 180
cttttgctga agntgnagga canactgaac cggcncctga nctgngacct gatgccanac 240
ganaatatnc cngagttgnn gnntganctg nngcanntgg gctacagtt 289

<210> 1252
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1252
aattccgttg ctgtcggaga cacattacac ctaaccaaca agaagaagga tcctcccct 60
tataatttaa ctatgtttac agggaatgcg tacattgtgg cttcccgaga tttcgtccaa 120
catgttttga agaaccctaa atcccaacaa ctgattgaat gggtaaaaga cacttatagc 180
ccagatgaac acctctgggc caccttcag cgtgcacggt ggatgcctgg ctctgttccc 240
aaccacccca agtacgacat ctcagacatg acttctattg ccaggctggt caagtggcag 300

<210> 1253
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1253
aattccgttg ctgtcggggg gatcaggata ctcctgctca cagacaccca tctcccccta 60
ccaaaaataa cgctggagtc ctccttccac cctgactctg cctctctgtc tgcaggagcc 120
tggtcggggt gctccacaga agctgtgcct gggcttggga gccaaggcca tgtccctctc 180
ccggccaggg gagacggagc ccatccacag tgtcagctat ggccatgtgg ccgcctgcca 240
gctaatgggc ccccacaccc tggccttgag ggtgggagag agccagctcc tcctgcagag 300

<210> 1254
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1254
aattccgttg ctgtcgcgag ttcatccatc aatttcctga ctcgagttag tggcattggt 60
ccatctgctg caaggaagtt tgtagatgaa ggaattaaaa cactagaagg ctcacagctg 120
gattcatgcc cagtaaaggg acacctgaat ggaactgagt cacttttaga cttaatatgg 180
gatgttatga caattcttaa gttaaaaaat gcagatctca gaaaaaatga agataaattg 240
aaccatcatc agcgaattgg gctgaaatat tttggggact ttgaaaaaag aattcctcgt 300

<210> 1255
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1255
aattccgttg ctgtcgggtg cctggctgcc ctagcaaggc agtagaccca ggcctgcctt 60
ctgtgaagca agagccacct gacccagagg aggacaagga ggagaacaag gatgattctg 120
cctccaaatt ggccccagag gaagaggcag gaggggctgg cacacccgtg atcacggaga 180
ttttcagcct gggtggaacc cgcttccgag atacagcagt ctggttgcca aggtattacc 240
accttgctct tgactggaaa tgcaactgtg gttaccacct gtgctgcagg tccgtcctgg 300

<210> 1256
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1256
aattccgttg ctgtcggggg gatcaggata ctcctgctca cagacaccca tctcccccta 60
ccaaaaataa cgctgggctc ctccttccac cctgactctg cctctctgtc tgcaggagcc 120
tggtcggggt gctccacaga agctgtgcct gggcttggga gccaaggcca tgtccctctc 180
ccggccaggg gagacggagc ccatccacag tgtcagctat ggccatgtgg ccgcctgcca 240
gctaatgggc ccccacaccc tggccttgag ggtgggagag agccagctcc tcctgcagag 300

<210> 1257
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1257
aattccgttg ctgtcggtgg ttgacgagct cggcggcggt tttgctgaga tctgtggccg 60
tcggcagctg gtgcgggggg cagctgagag cgagaggtgg atcggggcgg tgtgtggcca 120
gggccatgac gggcaatgcc ggggagtggt gcctcatgga aagcgacccc ggggtcttca 180
ccgagctcat taaaggattc ggttgccgag gagcccaagt agaagaaata tggagtttag 240
agcctgagaa ttttgaaaaa ttaaagccag ttcatgggtt aatttttctt ttcaagtggc 300

<210> 1258
<211> 252
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(252)
<223> n = A,T,C or G

<400> 1258
aattccgttg ctgtcgaata aaagcaaaca gaacactcca acttagagca ataacggctg 60
ccgcagcagc cagggaagac cttggtttgg tttatgtgtc agtttcactt ttccgataga 120
aatttcttac ctcatttttt taagcagtaa ggcttgaagt gatgaaaccc acagatccta 180
gcaaatgtgc ccaaccagct ttactaaagg gggaggtgtg ggaggttttg ggatganaan 240
acnngtttcc ca 252

<210> 1259
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1259
aattccgttg ctgtcgcgtt cctgtctgag ccccaagcca cctcagggtc aagagcaaca 60
gggccaagag gatgaagtgg tcttggtgga agggcccacc ctcccagaga ccccccgact 120
cttcccactc aaaatccgtt gccgggctga cctggtcaga ttgcccctca ggatgtcgga 180
gcccctgcag agtgtggtgg accacatggc cacccacctt ggggtgtccc caagcaggat 240
ccttttgctt tttggagaga cagagctatc acctactgcc actcccagga ccctaaagct 300

<210> 1260
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1260
aattccgttg ctgtcgctga aggtcatcag gcagtctgct gggcaaaaga caacctgtgg 60
ccagggtctg gaagggccct gggagcgccc acccccctctg gatgagtccg agagagatgg 120
aggctctgag gaccaagtgg aagacccagc actaagtgag cctggggagg aacctcagcg 180
cccttccccc tctgagcctg gcacataggc acccagcctg catctcccag gaggaagtgg 240
aggggacatc gctgttcccc agaaacccac tctatcctca ccctgttttg tgctcttccc 300

<210> 1261
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1261
ccgcactata gaatacaagc tacttgttct ttttgcagga tcccatcgag aaaaaactgg 60
ccatgcagaa gtcgtccgag tggtgtacca gccagaacac atgagttttg aggaactgct 120
caaggtcttc tgggagaatc acgacccgac ccaaggtatg cgccagggga acgaccatgg 180
cactcagtac cgctcggcca tctacccgac ctctgccaag caaatggagg cagccctgag 240
ctccaaagag aactaccaaa aggttctttc agagcacggc ttcggcccca tcactaccga 300

<210> 1262
<211> 295
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(295)
<223> n = A,T,C or G

<400> 1262
acgtacatcc atacatgata agatacattg atgagtttgg acaaaccaca actagaatgc 60
agtgaaaaaa atgctttatt tgtgaaattt gtgatgctat tgctttattt gtaaccatta 120
taagctgcag taaacaagtt aacaacaaca cttgcattca ttttatgttt caggttcagg 180
gggaggtgtg ggaggntttn ntggatctgn ccgnccnccn nangtncacn ncntgcnngt 240
ggcngangnt nccntcaagc cctngnnttn ngntcctttc attgtccaac aatga 295

<210> 1263
<211> 256
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(256)
<223> n = A,T,C or G

<400> 1263
gctatctacg tagatccaga catgataaga tacattgatg agtttggaca aaccacaact 60
agaatgcagt gaaaaaaatg ctttatttgt gaaatttgtg atgctattgc tttatttgta 120
accattataa gctgcaataa acaagttaac aacaacaatt gcattcattt tatgtttcag 180
gttcaggggg aggtgtggga ggttgccccn tngcaaaggn gnnctaggct ctctnggnga 240
ttnnnngttt tcccga 256

<210> 1264
<211> 205
<212> DNA
<213> Homo sapiens

<400> 1264
gctatctacg tagatccaga catgataaga tacattgatg agtttggaca aaccacaact 60
agaatgcagt gaaaaaaatg ctttatttgt gaaatttgtg atgctattgc tttatttgta 120
accattataa gctgcaataa acaagttaac aacaacaatt gcattcattt tatgtttcag 180
gttcaggggg aggtgtggga ggttt 205

<210> 1265
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1265
aattccgttg ctgtcgtgaa aaggcaggtc ctctgttatg aactatttca gagcaagacc 60
cgtcacagaa aatttaaaga aattcaagtc ccatataatg tccagtggat ggcaatcttc 120
agtgaacaac tctgtgtggg attccagtca ggatttctaa gataccccct gaatggagaa 180
ggaaatccat acagtatgct ccattcaaat gaccatacac tatcatttat tgcacatcaa 240
ccaatggatg ctatctgcgc agttgagatc tccagtaaag aatatctgct gtgttttaac 300

<210> 1266
<211> 239
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(239)
<223> n = A,T,C or G

<400> 1266
ctatctacgt agatccagac atgataagat acattgatga gtttggacaa accacaacta 60
gaatgcagtg aaaaaaatgc tttatttgtg aaatttgtga tgctattgct ttatttgtaa 120
ccattataag ctgcaataaa caagttaaca acaacaattg cattcatttt atgtttcagg 180
ttcaggggga ggtgtgggag gttttnntnn nnnnnnnnnn nnnngntttn ntnnnnnng 239

<210> 1267
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1267
aattccgttg ctgtcgttcc cattcagctc ttggggtgaa gccttattcc tgatgctcca 60
gacgatcacc atctgcttcc tggtcatgca ctacagagga cagactgtga aaggtgtcgc 120
tttcctcgct tgctacggcc tggtcctgct ggtgcttctc tcacctctga cgcccttgac 180
tgtagtcacc ctgctccagg cctccaatgt gcctgctgtg gtggtgggga ggcttctcca 240
ggcagccacc aactaccaca acgggcacac aggccagctc tcagccatca cagtcttcct 300

<210> 1268
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1268
aattccgttg ctgtcgctac cattgcaaga ccccagattg caagggatgg tgcttctttg 60
aggatgatgt caatgagttc acctgccctg tgtgtttcca cgtcaactgc ctgctctgca 120
aggccatcca tgagcagatg aactgcaagg agtatcagga ggacctggcc ctgcgggctc 180
agaacgatgt ggctgcccgg cagacgacag agatgctgaa ggtgatgctg cagcagggcg 240
aggccatgcg ctgcccccag tgccagatcg tggtacagaa gaaggacggc tgcgactgga 300

<210> 1269
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1269
atgaaatctc tttcatccga gcaggagaag gtgctcttaa acaagccttg gcaaatgcaa 60
cattatgtat tcttgaacct attatggctg tggaagttgt agctccaaat gaatttcagg 120
gacaagtaat tgcaggaatt aaccgacgcc atggggtaat cactgggcaa gatggagttg 180
aggactattt tacactgtat gcagatgtcc ctctaaatga tatgtttggt tattccactg 240
aacttaggtc atgcacagag ggaaagggag aatacacaat ggagtatagc aggtatcagc 300

<210> 1270
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1270
aattccgttg ctgtcggcaa ctcggaggag aagaccccgg cccccaggct agctgcggag 60
aaaaccaaga aggaggagta catgaagaag ctgcacatgc aggagcgtgc tgtggaggag 120
gtgaagctgg ccatcaagcc cttctaccag aagagggagg tgaccaagga ggagtacaag 180
gacatcctgc gcaaggccgt gcagaagatc tgccacagca agagtggaga gatcaacccc 240
gtgaaggtgg ccaacctggt gaaggcgtac gtggacaagt acaggcacat gcgcaggcac 300

<210> 1271
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1271
aattccgttg ctgtcgagca ctcgcagatt tctgaaagga caggacgaag atcaagtgca 60
cagtgttcct atagcacaaa tggggaacta ccaggaatac ctcaagcaag taccttctcc 120
actaagagaa cttgatcctg atcagccacg aaggttgcat acatttggca acccctttaa 180
gctggataag aagggtatga tgatagatga agcagatgaa tttgtggctg gacctcaaaa 240
taaacataaa cgacccggag aaccaaatat gcaagggatc cctaaaagac gtcggtgttt 300

<210> 1272
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1272
aattccgttg ctgtcgatgc gaccaagggc atcactcggt gcctcctgaa tgaaacaacc 60
aacaataaga acgagaagga gcttgtgcta aacacagaag gaatcaacct cccagagcta 120
ttcaagtatg cagaggtcct ggatctgcgc cgcctctact ccaacgacat ccacgccata 180
gccaacacgt atggcattga ggccgcgctg cgggtgatcg agaaggagat caaggatgtg 240
tttgccgtgt atggcatcgc ggtcgaccct cgccatctct ccctggttgc tgattatatg 300

<210> 1273
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1273
aattccgttg ctgtcgaatt ggtttggcac ctactacagg atgatccaga ccaacttcat 60
tgacatggag aacatgtttg acttgctgaa agaggagaca gaagtgaagg accttcctgg 120
agcagggccc cttcgctttc agaagggccg tattgagttt gagaacgtgc acttcagcta 180
tgccgatggg cgggagactc tgcaggacgt gtctttcact gtgatgcctg gacagacact 240

09/534,959 - 03/24/2000

tgccctggtg ggcccatctg gggcagggaa gagcacaatt ttgcgcctgc tgtttcgctt 300

<210> 1274
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1274
aattccgttg ctgtcggcat tcgcattcct gctctcttac ccccaacgtc cacagagctg 60
gatgttcctc acaatgtcca agtggctgca gtggttggca ttggccttgt atatcaaggg 120
acagctcaca gacatactgc agaagtcctg ttggctgaga taggacggcc tcctggtcct 180
gaaatggaat actgcactga cagaaagtca tactccttag ctgctggctt ggccctgggc 240
atggtctgct tggggcacgg cagcaatttg ataggtatgt ctgatctcaa tgtgcctgag 300

<210> 1275
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1275
aattccgttg ctgtcgagca gcggaagcgt gaggctgagg agcggcgccg cttccccctg 60
gagcagcgac taaaggagca catcattggc caggagagcg ccatcgccac agtgggtgct 120
gcgatccgga ggaaggagaa tggctggtac gatgaagaac accctctggt cttcctcttc 180
ttgggatcat ctggaatagg aaaaacagag ctggccaagc agacagccaa atatatgcac 240
aaagatgcta aaaagggctt catcaggctg gacatgtccg agttccagga gcgacacgag 300

<210> 1276
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1276
aattccgttg ctgtcgctta cttctcacac ccagccatcc gctatcaccc tcaggagacg 60
ctgaaagaat ttgtccaact tgtctgccct gatgctggtc agcaggctgg acaggtgggg 120
ttcctcaatc ccaatgggag cagccaaggc aaggtgcaca acccattcct tcccacccca 180
atgttgccac cgccaccgcc accaccgatg gccaggcctg tgcctctgcc ggtgccagac 240
acaaagcctc caaccacgtc aacagaagga ggtgcagcct cccccacgtc accaatcctg 300

<210> 1277
<211> 297
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(297)
<223> n = A,T,C or G

<400> 1277
aattccgttg ctgtcggtct tgatcttctg acctcgtgat ccacccgcct cggcctccca 60
nagngctggg attacangcg tgagctaccg tgcccggccn catattnctt aatganaact 120
ttnttgaaan ccttcattat ttctgtgnct ttgganttag gnancagaga ttcataggta 180
ccttnagaan ganagaaatn tctctacnca natgagtcnt ccannnctgg aagnnataat 240
nnaactgnnc tcactactcc aanctttaag aagctnnatg angctcattn taaggaa 297

<210> 1278
<211> 289
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(289)
<223> n = A,T,C or G

<400> 1278
aattccgttg ctgtcggttg acccgccaag gcagcctctt cctccataga tggatgaacg 60
ctgtggccgc tgctcctgcc tgggccatgc cctgatgctg ccaacaccac tgctcctcta 120
tttataagnn ttagtacagn tgnatgaccc ttcaatannt gaacagnnga tatgttcctn 180
acantaagnc nannnctnna tangaatnnn tcantgnant nnncataaat atatnccttn 240
ncnanatcna nncnttntna ntagnnaann tcntttnatt nntattctt 289

<210> 1279
<211> 294
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(294)
<223> n = A,T,C or G

<400> 1279
aattccgttg ctgtcgagcc tgcctgcccc caggtgaaat aaacagccat gttgctcaca 60
caaagcctgt ttggtgtctc ttcacactga ctcgagtgaa ctttgatgcc ntggctanta 120
tattttcant atntnttatn anattatntt tncntccttn ttnnttttttn nnnnttttta 180
aagnntnntt ttngntnntt ttnttttttt nntnncnntc tttttntnct nnattntctt 240
cnntatcttt nntantnctt ttctntnnnt nntgattnnt ntnnctttttt tgat 294

<210> 1280
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1280
aattccgttg ctgtcggcaa acaggtggcc atgaaacaga tggtcataga attggttcag 60
tggttgtgag tgcagcaacc caagagtgtc ttatctgaaa taccaccagg aatgtctgga 120
cacagtagac aaagtttttt caactggacg ccttaggata catgcttcca aaaacaaagt 180
agccaaaaag aaaccagagt cacagaatat cagagccaaa ggaacatttg gaggtaattc 240
agtacctcct ccttttcaac ctacagggga gatagtggaa gagaagcagg gatgggtctg 300

<210> 1281
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1281
aattccgttg ctgtcggaag agagcccgaa actaaacagg gaggaatcca ccatttagaa 60
gtctggcagg caaagaggac aagagagtgt caatgaagac ctcaaagtct ggagaaaaat 120
gacctttcat ggaataagaa gtatacctcc ttctacatgt ttttgtctta ctgacctctg 180
ataactggaa cacatgactc tgggtctgta gaaagtcaac tgatcaaact catcctcacc 240
atgcatcaac tgttcagact ggttttggga caaaaagatc tttcacgagc tggggacctc 300

<210> 1282
<211> 287
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(287)
<223> n = A,T,C or G

<400> 1282
aattccgttg ctgtcgcaga atcttaactt atcttaatga tatttaccta tccttttttgc 60
aactcacaac tgactttgtc acagaggtaa tgcatctgct tgcaggaagt agctgtaggc 120
tcagtacctg ttgtttgagt cagatttagc agatttggtt tttaagcttg tgggtttgtg 180
ctaatttggg cagaatatat ttattatata tgtgtgtgtg tatgtgtgta tgtgtgtgtc 240
tgcatacgna ntacctgtac atagacacac atgcatgtgg tcatcct 287

<210> 1283
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1283
aattccgttg ctgtcgccag ggctgagaag ataaggctac ttataggggc gggaagcatt 60
gaagctggtt tctggcccta gcgctcccct gcgatgagat gtgggagcca gtgtgtccct 120
gcctgtccat cctgtgcacc cccagctttc cttgtcacct gaaaccacct ctgagggaag 180
gtggtggcgt ctcagatgca tgggcatgtg gctggtcagg tggcctccat cccagggtgc 240
cccgtctgtg tgacctccct ctgggtgctg tgggcttgct ccagggtgca ggtgcaaccc 300

<210> 1284
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1284
aattccgttg ctgtcggttt cggccaatct gttacctcag tgttgccatc ttcattgcca 60
aagcctcctt ttgggatgtt gtttggatct cagccaggtc tttatttgtc tgctttggat 120
gctacacatc agcagttgac accttcccag gagctggatg atctgataga ttctcagaag 180
aacttagaga cttcatcagc cttccagtcc tcatctcaga aattgactag ccagaaggaa 240
cagaaaaact tagagtcttc aacaggcttt cagattccat ctcaggagtt agctagccag 300

<210> 1285
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1285
aattccgttg ctgtcgggct gcagttccgg ctacctgtgt agtccgagtt tccacagcca 60
ggtactactc cgccagtgac cctggacagt aacaaaacat ataaagcccg agcccaaacc 120
ccgccaccat catagtgtgg gaattttgct gtcctcgtgg atcttcatat cttgccacaa 180
ggttcaaaca aagatacaag ctggttttct gaacagaaga aagaggaagt ctgtttactg 240
ttaaaagaaa ccattgattc aagagttcag gagtacttgg aagttcgcaa acagcacagg 300

<210> 1286
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1286
aattccgttg ctgtcggtct caggccactg cgccaccgcg ctggtgctga gcagaagcgg 60
gcagaagtgg ggtctgcttt caggacttca tttcccccac tcgttccggc cccgcatgct 120

ccacgtctgc cctttggtct gagttaaaac tgcgatgctg aaaagtgcga gctctttcca 180
cgaggaggag ccacacaggg tggcctccga gggtgagtcg ctctgctaag caagggcagt 240
cgctgcacgt cagcccgcag gccaagggtc cagcttatcc tgggtgctct gtgatcagaa 300

<210> 1287
<211> 292
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(292)
<223> n = A,T,C or G

<400> 1287
aattccgttg ctgtcgagaa ttcggaagaa gccgggaccc aagcccggat ggaagaagaa 60
gcttcgttgt gagagggagg agcttnccnc catntnnann ttttnttacc atngnctgnn 120
ctttcntcta cnnnnnntnt atnntgngtt nttttttctt nantcnnttt ttttttantt 180
tttttnnncc nttgtttttt nttccttntn ttntnttntt tntntttnnt ttnctntttn 240
gtttttntan tacttttttn tnttcttttt ntgtttattg gnttttttgtt ct 292

<210> 1288
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1288
aattccgttg ctgtcggtga ccaaaaggaa agggcaacag caggagccct gttagtgctg 60
ccagaacacc aggaagcctt gtgggaggcg tattgtccaa gatgatgcgt attgtccaaa 120
cgactcagaa gaagtcattt ctgaagggtt gatcataact tccctagcca tgttttacct 180
acagagaact tagttagaat ttatgagtac agtatgttaa attactttta gtgtacctta 240
ggcagtgtat ttgttttgat acagagacaa agactatatg atccctgaga cttgttgcct 300

<210> 1289
<211> 267
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(267)
<223> n = A,T,C or G

<400> 1289
aattccgttg ctgtcggttt ttgtctgggc ttgtctagca gtggaattct gcctgagttc 60
atcatttttg tgactggtac ttgaagtgca tcagatgatt aatttcatga taagagggct 120
ttttggcgtg gtgaaataga catttatgga aaatgggata cccacattaa gcagggtgac 180
tacctgttta ccatacaacc cacacaaagc caatacaact atggatgngc tttatatant 240
ctgntgcctc tgcaaacatt gaccgtg 267

<210> 1290
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1290
aattccgttg ctgtcgggac cactccagaa ttggccgctg gcggtatcat ggcgacccgg 60
aacccccctc cccaagacta tgaaagtgat gacgactctt atgaagtgtt ggatttaact 120

09/534,502 - 06/14/00

gagtatgcaa gaagacacca gtggtggaat cgagtgtttg gccacagttc gggacctatg 180
gtagaaaaat actcagtagc tacccagatt gtaatgggtg gcgttactgg ctggtgtgca 240
ggatttctgt tccagaaagt tggaaaactt gcagcaactg cagtaggtgg tggctttctt 300

<210> 1291
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1291
aattccgttg ctgtcgctga aagtaagaga aacagactct agctagttta agctggaaaa 60
taaattatta aaactattct gtagctcata gcatctccag cagggctaga gagttagcca 120
ggaataatgt cccaaaggtc acagccaagc cagcctggca gagccaccct ggacactgat 180
accactgttt gccaatgcca ttgatttggg ccctgggtgg tggcactaag ggctcactcc 240
cctaagcctc tggaaacagg atttggctgt caccaccctc ccagggtgca tttttcttgg 300

<210> 1292
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1292
aattccgttg ctgtcgcaat ggcactgctt atctccgaaa tggtgtgatc gtctcctcat 60
tgagcagcgg ctgccaccgc gctgtgggta gtgtgtgacc gtggctgtac tgtatagtga 120
acatagttgg catatctttg tttgaagttt gttggtgact ccaccaaact ggtgtgaaaa 180
aagaaaaaag ctcaaaaaaa tccacaaaaa gacaaaacac acaaaaaaaa tcctgcctat 240
attttactca gtttcaaact ttattagtct atttttaatt ataaaaccag aaagctacaa 300

<210> 1293
<211> 293
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(293)
<223> n = A,T,C or G

<400> 1293
aattccgttg ctgtcggcag atgacctcaa agcacaactg gagttggctc agaagaagct 60
acatgatttt caggatgaga tcgtggagaa cagtgttacc aaagaaaagg acatgttcaa 120
tttcaaacga gcccaggagg acatctctag acttcgcagg aagctggaga ccacagagaa 180
accagacaat gtacccaagt gtgatgagat tctgatggaa gagantaagg attacaangc 240
tcgctngacc tgnacgngct antccatgng taattgganc tngntattca tat 293

<210> 1294
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1294
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acaaggccca tcccctggtg agctgctcca ctggagtccc aggtccctaa cctgtggcct 180
aggtagacct taggatttgc ctcactgatg ccaatgagtt gctgctgctt acttttgaaa 240
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<210> 1295

09/15/2006 15:56:00

<211> 284
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(284)
<223> n = A,T,C or G

<400> 1295
aattccgttg ctgtcggagg attcctaagg tgtcagcatt ttgtaaaggt accacaaagg 60
agaagttgat agggaatcta attttagaat gtgccaaatg gtctgtgctc aacaatataa 120
ttgaactctc tcaactctac ctcaccattt ctttatctca aaattctgnc ggctttgtna 180
naccnncgat ntnntntntg nnncnancnn gannnncnaa ncanttacnt nngntngccn 240
tgtttnntnc tcnnnnctcg ncgttatntn atccnnncac atac 284

<210> 1296
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1296
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gcttttgagc tctcacgatg ggggaggagg gggcgtttct ggttcgcagc tccagaggat 120
tgcgttcctt cccccatacc tgtcccccac agtcacgctc tgccctgacg tgcagcattt 180
gacaagttac cccctcgcca catactactt ccacccacgt ccgagttaac tttgttctta 240
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<210> 1297
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1297
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agccttgagg gaattagaca gattttctgt tttgaatagc caacacatgt ttgaagtact 120
agctgccatg aatcaccgat ctcttatact cctggatgaa tgcagtaagg tggtcctaga 180
taatatccat gggtgtcctt taagaataat gatcaacata ttgcagtcct gcaaagacct 240
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<210> 1298
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1298
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gtgcctggaa tctcaaaggc agaacaacca agaaacccca aacctaaagt tgagcccctg 120
tgccaaggtc aaaggcgaag atgcaaagtc ccaggtatgg gccttcacat acacccagca 180
gatcctccag gaggagctgt gcctgtcagt catcaccttg ttccctggcg ccccagtggt 240
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<210> 1299
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1299

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gacagatgac ctgccggccg cctttgtgga tggcaccacc agtggtgggg acagcgatgc 180
caagagcctg cgtatcgtgg aaagggagag tggccactat gtggagatgc acgcccgcta 240
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<210> 1300
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1300
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cacctgggcg aggacttctg gccggtgccg gggcactctg catgaccctg gcagaatcga 300

<210> 1301
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1301
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aggcccccctc cgtggagaaa agatggagcc ggattaagca cccagtgcta aggcgactaa 180
gacgccactg cccgcaggcc ctgccggaaa atactcagag agtgcagcag gcgccgcgat 240
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<210> 1302
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1302
aattccgttg ctgtcggtgc gccagttcac actccgggtc agagttcctg gcccggtgca 60
cctgagaggt cgctctccga ctcccgcgct ggaccctctt gcgccattga acccccctgat 120
ccgggggcct cggaccccag ggctcaggag atggatccag tccctggcgc tcctacttcc 180
caactgctcc tcctcccgca tccccacagt accccgtcct cacagcgggc tgtgggtcca 240
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<210> 1303
<211> 293
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(293)
<223> n = A,T,C or G

<400> 1303
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ggaagcatgg agggaggaag cagaattgcg ggaccactgg cgcantgnnn ggatcangag 180
ctatacttct tccngaactg atcnntgntn cctgcatntt ntgcacnagg nnnnaggatn 240
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<210> 1304
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1304
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tcagaactct gggatgattt taatcttgaa gtagtaggtg gtatagtcat aaaaccattc 120
atccccttct tgattgtatc ttaattttct ggctttaagg cgacatctga gaggtaatgc 180
attctttttt atattgaaat cataaactat cacccgctgc ttctctgagt tacttttaat 240
tttgccttgt ggttatggtt tggcgtttcc ttctgtttgg ttttcagagc cccatgtcta 300

<210> 1305
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1305
aattccgttg ctgtcggaaa atattagcta ctcaaataag taggcttctg aaatagtttt 60
aactgcaagt gtgttaactt gtgtggtggt ttgaagccat ttttccaaat aaagttatta 120
aacaccactt tatgtactga agcatgaaca gaaaaatcaa gagctgagca gaccacctcc 180
tttatgtagg caaaacttcc atcattttgg cttttgttct aaacagaact aaatgacatg 240
catagcatgg taacttacag atcgcttaat tggagtaaaa ctcagagtaa tagagggaaa 300

<210> 1306
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1306
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tgaccacacc gaaggagtgc ccaccagcaa gagacctgga gacatcccca attcctgcaa 180
gcagaatctg ggatgaacag tctgcatgcc tctcgccacc tgtcccaggg attccctgtt 240
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<210> 1307
<211> 293
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(293)
<223> n = A,T,C or G

<400> 1307
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actaacttaa attgatanca ttgtngntga tatnnacaat naatattnnt ccnaaacnnt 180
nanttnacan ntatantnna natcnnnnnt nnatanntat ntatntntaa cnnttnnngc 240
cnnnnnntat nttatttttn ttcnttnnng annnncngan tgncntttca tat 293

<210> 1308
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1308
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tcttcaaaag atttagaaac aatagttact cttaagaaga ctatcagaat ctcaccacac 120
agggagagtg accattctag tctaaataac aaatatttga atggatgtgg agaaatatca 180
gtttcagaaa tgaatgaaaa gttcacaact ctgtgttata ggaagtataa tgatgtctct 240
gatctttgca aattagaaaa taaacaatat tgtaggtggt ccaagaacca agatgacagt 300

<210> 1309
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1309
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tcgttttgaa gtttgggcct cagcagactt gcatatattt gactgcaatt gcagcatttg 120
caagaagaag cagaatagac acttcattgt tccagcttct cgcttcaagc tcctgaaggg 180
agctgagcac ataacgactt acacgttcaa tactcacaaa gcccagcata ccttctgtaa 240
gagatgtggc gttcagagct tctatactcc acgatcaaac cccggaggct tcggaattgc 300

<210> 1310
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1310
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atgtaataga atggaaaatg gcaaagcgcg ctgcttttca tagaagagac tatcgcattg 120
gggttcttct gttgcccctg cctgtgctgc acgtcctgct tcacagtgta aagcgcaact 180
cttgctgtgc cttattgtaa caggtatagg gtggatgctg ccatcatgaa gagagaggag 240
agctctttgc ttataaaatt ccgtagagtg gagaacaggg tgtgccggct taggagaggg 300

<210> 1311
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1311
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ggtgccggct ggtcagcagg tcacctgcca ccaggccctt cacctgcaga tgggctccat 120
cgcctgtggc ctcgctggtt aggctaaagg gcagcccggg ctcctgcggg ttggagagct 180
catagcagga atgtctgggc ccaaccagtt ctcacaggct cctcaggaga cagagcctgg 240
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<210> 1312
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 1312
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ttagcatttt ccttcagacc cccatcccac acacatgcta gccgcgctca gagcttccag 180
gggtactaga ccctgtgaaa ggccatttgg gcctggcctt tgtgtcgggg gcccctcttc 240

gccacacgtc aggtctccta accccaccct ggccctagca tcttccatca gagactctgc 300

<210> 1313
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1313
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agactttggt ctttgttgga atcctttgaa attggaatat ggaagcccct ctatcccacc 120
attgtcagtg ttgcatatcc ctagactctc ttccagagtc accctggggc tgacttaaat 180
tctgggccac aacttcaaat ggctgttaac gtttcccccg acccaaaaca cacacacccc 240
atgtctgaca tctaagcaga aagactgggg gttggggagg aagtcttggt gtttttagga 300

<210> 1314
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1314
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cgcttcctgt caaaggaaat cgttggcgta gtaaatgtaa gactaacgct gctttactca 180
accaccctct tcctggccag agaggccttc cgcagagcat gtctcagtgg gggcacccag 240
cgagactgga gccagaccct caacctgctg tggctaacag tccccctggg tgtgttttgg 300

<210> 1315
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1315
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gcacccgaca cccaggagag tgggctacag gaagaggatc tgagaccaga gcccacagag 180
tctgcagaaa ctagaggcac aaggcacgag gaatcacaaa gcaaacttaa gtgccgacat 240
caaagaaggc attctcaccc tgtttcctgc ttctgggttt ctccacattc ctatagcctt 300

<210> 1316
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 1316
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ttttcctct ttacccctca gctcaaaact cagaatccta gacttttgac tagctagtgt 180
aactcgttat ttacttccac taatgtctcc tcccagttga tgcccaggtc tatcgagttt 240
gatcttattc ttaagagata gaattgggga gtagttcttc catccagtat tgggtaaccg 300

<210> 1317
<211> 300
<212> DNA

<213> Homo sapiens

<400> 1317
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aatatcgcag cagtgtttgt aagaggattt ttagtttgtc atgcttaaac agacccctca 120
gtattctcac agagaactga agcaattcat tttcaagact aacaagagca cagcatctgc 180
atgcatgtgg caggtatgtt agtgaatgtt gtgaagtagg tggtcccatc agttgtcatg 240
gttcacctct gtccagactg tgattgtgtg actcgcagtt ggcacttcag caaagcttag 300

<210> 1318
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1318
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acccgctcaa ctgatccaat gcaaccaata cagtattgga agctttctac gaacaaggca 120
cccagagagg gctcggagga agatgacagt gccaacgggc acagggagaa tcgtgagctt 180
actgcacctt cccagcaggc agagtgagcc cgtaggacaa gagccccctt tctccgtttc 240
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<210> 1319
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1319
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gatgcagttg gatcagaagg agtttttgct agaagaaaaa taaatcccaa agcacaaact 180
gtactaatgt tgggttctgt ggtatcatct ccatatccat aaatcacatt tgatttggat 240
gccactggaa atttaatggc ttaggaaggg atgggtttca tatgcagagt gaaactttaa 300

<210> 1320
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1320
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ccctggctcc ctggaccagg acattccctt tgtgtgtgtt ggaatgagag caggaggagt 120
gctggtcaga agcccctccc cagggctctg ggacttcagt gttctcagac aaactgggcc 180
gctcctctga gctgggatgc tgacccacac ttggccccgg ctctggcatc cacaggacgc 240
tgccttatcc gtcatctcgc tggggctggg ggctagaggc tgagcaggtc acactgaaca 300

<210> 1321
<211> 270
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(270)
<223> n = A,T,C or G

<400> 1321
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gcaggcggng ggaggatttc nctcttatgg ggntcatggg aacaggggng ggngngactt 180
gcttggnggc ctcattccat gtgngcctgn gcctggggca tggacnntgn taagcanagn 240
cagctgngag gnccnnattc tncagacgtg 270

<210> 1322
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1322
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gactaccgat tcaaccatca ctgcaaagac cacacagtct ctggtgatga ggattactgt 180
cctcgcagta agaaagcaaa cttaggtaaa aatgcaagca tgaacacaca acatggaaca 240
gcaacagaag ttgctgtaga gacaaccaca cccaaacaag gacagaacct atggttttta 300

<210> 1323
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1323
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ctcattctgc tcatagggac ctgggcactt tttttccgca agcggagagc tgacatgcca 300

<210> 1324
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1324
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acctcacgcc ctccatctac acagagtttc cagatgaaac cttgaggagc ggagagctgc 120
tgaacatgat cgtggctgtt attgactctg cacagctcca ggagctggtc tgccacgtga 180
tgatgggtaa cctggttatg tttcgaaaag actcagttct caacatactc attcagagcc 240
tagactggga gacctttgag cagtattgtg cctggcagct ctttctggcc cacaatattc 300

<210> 1325
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1325
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tttccagtga tgtcactctc tggcaggatt gtgggggtg gcttacgcca ggtgagtctg 120
tctattggtc ctggttatgg gcacttatta ccaggcagtg gcgtaggggg tagggcctgg 180
agtgaggtgg ggattttaaa gtgagcagat gccagaggta gtgagccaac agcagggctg 240
tgctcttggc ccccagcaga gcatggttgt atagtatcag ctgaggattg gttccaggat 300

<210> 1326
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1326

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tgagagatgc agaaagcgct gtcagggaag gatcccttga gatggcaata ggacctctaa 240
gtaggcgtgt aacagacaag gggagagcgc ccttctccac aatgcaggga ttttatcatt 300

<210> 1327
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1327
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gggctttgat gggacttagg gtatcacagg tgtgctctgg ctgttgtggg gaacagactg 180
taggcagcca gtgtggaagt gcagggacct ggaaggggtt gactgcactg gccctggaag 240
gccctggtaa gaggtggtga ggttgaaaat aaggttgggg gggccgggcg cggtggctca 300

<210> 1328
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1328
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taggtctcag ccactgtgcc aggagctcgg gactccctcc ctccagaggt ttctggaatg 180
cattcagcag gaaaagctaa aagaacagga ctccaggaga taagccaagg ccaagtctat 240
cagagggtga gccagcagcg ggaaggggac cagcccttcc cctagcgttt tttctgcccg 300

<210> 1329
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1329
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gtggcagaac tggaagtccg cctggaggag gccctgtcag ccgtaaaact tgtggggccc 240
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<210> 1330
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1330
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<210> 1331
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1331
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aagtattacg ccttcccacc aggcaatttg gactgtcttt gaatcctgtc tttggtactg 180
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<212> DNA
<213> Homo sapiens

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gtgggaagct tgcagattgt ttcgcactgc cgtgtaatct gtgtgcttgt cactggggtc 180
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<212> DNA
<213> Homo sapiens

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<210> 1334
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<212> DNA
<213> Homo sapiens

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gaaaaaagga aacggaactt cttggctctt tttctaaaaa tgaatcagtt cccgaagttg 240
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<212> DNA
<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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<210> 1340
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<212> DNA
<213> Homo sapiens

<400> 1340
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aatttgggag ataatactat aaatatgcca ccattgagta ccatcgatcc tagtgggacg 180
cgatccaaaa atatgcctat taaagataat gctttggtta tgtttaatgg gaaagtctat 240
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<210> 1341

<211> 300
<212> DNA
<213> Homo sapiens

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<210> 1342
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1342
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<210> 1343
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1343
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agaaagagga acaaccatac acccttctac agatgaaggc aagattttat gaaagcgact 240
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<210> 1344
<211> 300
<212> DNA
<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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tccagaaaga ggcagattct atgagggcag acttcagcct tctgcggaac cagttcttga 240
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<210> 1346
<211> 300
<212> DNA
<213> Homo sapiens

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<210> 1347
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1347
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<210> 1348
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1348
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<210> 1349
<211> 300
<212> DNA
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<400> 1349
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aaaactgtac ccatgaatgg atgaccatgt agatgggtca cctctccttg cgacctaact 240
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<210> 1350
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1350
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<210> 1351
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1351
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<210> 1352
<211> 300
<212> DNA
<213> Homo sapiens

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<210> 1353
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<212> DNA
<213> Homo sapiens

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<210> 1354
<211> 217
<212> DNA
<213> Homo sapiens

<400> 1354
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<210> 1355
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1355
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gcatctaaag tttacaaaca aaggcttgac cattttacag gagctattga aaagcttact 180

09/15/2005 15:56 FAX 619 595 1555

tcccaaatta gagatcagga agccaggttg tctgaaacaa tttcagcttc caatgcctgg 240
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<210> 1356
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1356
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tcggcctcgg gtggtggagt cactgctgag cccatgacgt tctgcttata ttccatccct 180
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gcagctctac tgacggagga ggaggagccc aggaggcggc tggtcagggc ccaggtgtgg 300

<210> 1357
<211> 288
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(288)
<223> n = A,T,C or G

<400> 1357
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<210> 1358
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1358
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tgtaagcccc acaaaattca aaatttatgt gcttttctga ccacttgcct tctagtggaa 180
attttaagca tattagagga tatgtttctg tgggagctga tcagaatggt actaggagta 240
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<210> 1359
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<212> DNA
<213> Homo sapiens

<400> 1359
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<210> 1360
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<212> DNA
<213> Homo sapiens

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<210> 1361
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1361
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<210> 1362
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1362
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gtttacttca aacagcagca atatttacga caggcacacc gcaaaattct gaattatcca 240
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<210> 1363
<211> 300
<212> DNA
<213> Homo sapiens

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<210> 1364
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1364
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<210> 1365
<211> 300
<212> DNA
<213> Homo sapiens

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<210> 1366
<211> 300
<212> DNA
<213> Homo sapiens

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<210> 1367
<211> 300
<212> DNA
<213> Homo sapiens

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<210> 1368
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<212> DNA
<213> Homo sapiens

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<212> DNA
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<211> 300
<212> DNA
<213> Homo sapiens

<400> 1370
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gatgagaaaa tctcaaggct gtctgtcttt cctaggccag ctcgctggca caaagccaag 120
aaggttcagc tgacccctgg acagacagag gtgaagattg acctgccgtt gcccattgtg 180
gcctccaatc tgatgattga gtttgcagac ttctatgaaa actaccaggc ctccacagag 240
accctgcagt gccctcgctg tagtgcctcg gtccctgcca acccaggagt ctgtggcaac 300

<210> 1371
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1371
aattccgttg ctgtcggcag tctgtagtct cgtaggtgct gtgtcatatc tgctttctgt 60
ttggagctca gaattacttt ttaaggaatt acttttaag gattaaaaag atttgtggtt 120
gcttcgtggc tttgagaaga cagtagagca ttttcaggaa ttaatgaagg ggagagatgg 180
ctagaggaga gggtgagaga gacttgagtt cttggctatg actatcaggt aaccaaataa 240
aatgccctgt ggaaatgggg accactgatg gaccacaggc atgctgcaca gttgatagct 300

<210> 1372
<211> 263
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(263)
<223> n = A,T,C or G

<400> 1372
aattccgttg ctgtcggtga atccaaatta agggatagtc cacaaaataa ctgacaatat 60
tctttagaag tgtcaatgtc atgaaaaaac aaagactgag gattcgtccc agattgagag 120
actaaggggc cacgaggact aaacacaaca tgggaccctg gactaggaaa gggtggtgag 180
tgggacggnc annnnggggtg agagggacng aaccanggnn nnnngcnatg cnannacggn 240
nnnnnnngcg ggncnnanaa nnc 263

<210> 1373
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1373
ccatcgattc gaattccgtt gctgtcggca tgtcccggtg gacaggtgtg gaagggactg 60
accctgccac cccgcggatc tccccaggct tctgagttgc tggcggtttt ccttccaact 120
gcagtcccgc agtcctctca gccatgggcc acacccccgg gtctcagacc ccgtgtttgt 180
tttcatgcca ggaggcagct cagggaaggt caggagatgg ggtgttccca gtcatgccca 240

tggcatctct gcctcctcgg gccccacctg cctcgccctg tggcctgagt cccttcagct 300

<210> 1374
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1374
aattccgttg ctgtcggtca gaagttttgt ttaattctat ggtatttcta aattgacttg 60
tttaaataaa ttcagcaaat ggatagcatt gtttttttatt tgcttcaata tgggggtaga 120
taatagctaa agagccaagg atgaatttct tcaaatgact ttattctgtt agctttacat 180
aggtgttgga ggattcctaa ggtgtcagca ttttgtaaag gtaccacaaa ggagaagttg 240
atagggaatc taattttaga atgtgccaaa tggtctgtgc tcaacaatat aattgaactc 300

<210> 1375
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 1375
aattccgttg ctgtcgggta atgaataatt tatggacact gctggacctc agtctcctca 60
tctgaaagat gagtggttgg agaagtttaa tggttttcaa atgctttttt tttcagnctt 120
caaataagng tttacgcnga aggaccttnt ntganntgnt ntttgtaaac nnnnnnntnn 180
gnttttntnc cggnnncnna cnntnggncc cccttnanaa tnnncnnttt nggtttnnaa 240
atgagggacc nntgaanggn ntnaaaatnc cnangttacn nttnacnann tnaaggaatt 300

<210> 1376
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1376
aattccgttg ctgtcgctac actcagcctc attcagttta cagcatggaa actgtatagg 60
acctctttcc tatagaaatt gaagacactt aaataggaag aaaattaaaa tatacatttg 120
gatacatgag tattccagtc aaataatatc tataaaatac cagatagagt ataaaagaca 180
actgaaggac aacagagtga tgaaaggact ttattaggca tttggatttg gttatgattt 240
aaatttcaat ttaattagaa cgtttccatg gcaaggaagg aagcatggag gactgtggaa 300

<210> 1377
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1377
aattccgttg ctgtcggagt gacctgttct cctgagtgct ctagtgtctc cagttgtcgg 60
ggggaaagat gatggagggg aacagaaact ggacttgatg tttgcggttt gagaggcaag 120
aaaataaaat aactttctac ctctaaattg aggcttagga gtaaaaagca ttttgtccta 180
aatttatcat ttaaaatagc atcagtaact tttgagctca tgtcaatcaa gcattggcag 240
tcagagattt tatagggaag actaagtaaa tccagtttcc aagaacctaa actgattgag 300

<210> 1378
<211> 300
<212> DNA

<213> Homo sapiens

<400> 1378
aattccgttg ctgtcgcctg gattcaagtg atcctcccac ctcagcctcc taaagtccta 60
ggattatagg catgagccac tgtgcctggc cccctcatct gatagaaaat tagattttgc 120
tatgagccat ttcctgaggg ccaatttaat actcgtgtga ctcttcttag agttaccatc 180
tgccttaaat ttcctctgtt tttcacattc ttggaaatat atcattgttt tgcaaatttc 240
tatatctaat tcagggttta ccaggagctt aataattaat ggctacatag caaggcatcg 300

<210> 1379
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1379
aattccgttg ctgtcgaaag aaatcaacaa ggcagtaatt agtaaatata aaatcctaca 60
tcagccaaaa aagtctatga attctgtgac cagaaatctc tatcacagat ttattgatga 120
agaaacgaag gataccaaag gtcgttattt tatagtggaa gctgacataa aggagttcac 180
aactttgaaa gctgacaaga agtttcacgt gttactgaat attttacgac actgccggag 240
gctatcagag gtccgagggg gaggacttac tcgttatgtt ataacctgag tcccttgtga 300

<210> 1380
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1380
aattccgttg ctgtcgcttc tgttcctgat ccgactcatt cctttctagg tctgtgctga 60
ttgtcctagc cttggggctc cccaagactc tgttcttgcc actgaggcta cttcttcctg 120
aggaaaaata aatgataaca gctgataagg gcaggccatg aaaaaagagc agtcctagcc 180
accccagcac catcactggc aggctcccag gtgtaccctg catcacaaga gcttcccttc 240
ttcctatttg ctgggagact aatcctcctc aataattctg tttagtattt acagtttttt 300

<210> 1381
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1381
aattccgttg ctgtcgaaga aatcctgcag ctgaaacact tctctccaaa tgtcgagcat 60
ctttatttat ccaaatctct ccacagtgtt tgtttaaagg ggagcgctgg agagtaaact 120
aaatcttaca atgagcatat ggatggctat aattgctgag gtttgttttt ttttttcata 180
tttgctaact cgctatatat aaaattgggt ttctatttta tagatttcac accctgaaaa 240
ctgctaattt ttgcatgcat atgattttca catgaatgga tgaaaatact aaaatctctt 300

<210> 1382
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1382
aattccgttg ctgtcgccgg gcctcaggct ccttcctact gtccgagggc caccaggccg 60
ccgggggcct gctgcgcccg gatgcgtctg ttactagagt ggagagtcta ccttcgtctc 120
acatgtgcca caaaggatgg catggcccgg gagtgcccca ccacgtggct ttcacccctt 180
gcaaagccag acttcgccca gcgacacagt gtcaagccca cagctctcca aggaggaaga 240
tggtccaggc tgggagcatc cccttagcag cagcctctga tcccttggcc aagcaggagg 300

<210> 1383

09/534,930 - 03/24/00

<211> 300
<212> DNA
<213> Homo sapiens

<400> 1383
aattccgttg ctgtcggttt tgtaggatca ctgggatatt ttccacaact tcctcttctc 60
tagcacacac atctgttgat aggaaatatt tgagggtttt tccactacca aatgggagct 120
tcatggtcct ggtgtcaaac actataaacc tttgaccagc tgagctgtga ctgctgtcac 180
atatctgagt cctgtgtgca cagtaatatc ctgggtcagg taaaatccag gtcttcaagt 240
tttaaggatt ttttgaagaa ttcgggcttc tttaagacga tccatgccca aatccacaag 300

<210> 1384
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1384
aattccgttg ctgtcggctg aggggctttt gaaaaagagg gtgccttact gtgccccaga 60
ccaggacaat cagtatttct ggggaatgga gcctggcaca cacacatttc ttaaagctcc 120
cttggcaatt ctgaggagtg gattacatgt tgtatgtagc tcgtaacgaa agaaatcttg 180
tctttgctct cagaccccca tttcttactc atctcatgag ctccttcgag atccagaaac 240
agttgcatat ttcattagta aatcagttcc agagtcacat tttatttcac aagttagtcc 300

<210> 1385
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1385
aattccgttg ctgtcggtag tattgtaaaa atgtatctat atgttatcct acactaagcc 60
taagctttaa tgaggatatt ggtacctgac tgtcctgtac ttggagcatc tgtccacttt 120
tgaatacatg taacactttg atgctcctgt ccccatggtt tgatgaagta cttaatacct 180
tgaatgctat atttattatc aaattttgaa tgaaatcact agcctaaata caagtgagat 240
gtttttgaaa ttttcatcac ctttgaaaca cctagtattt ctgtagaatt ggattgagga 300

<210> 1386
<211> 265
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(265)
<223> n = A,T,C or G

<400> 1386
aattccgttg ctgtcgctgg gctagaacct cagtctagtg ttcaaaggag ctggcagaat 60
gggttgtctc ggcatggagg acccaaaagc agagctccct ggtgctttgg gggagagtga 120
agcccttcat tccactcctc attgcagacc agctttcctg gtattcatgc actgcttttt 180
gtaacgcctc aaatgaaagc cacagctcag ccaagtagaa gagagctcct aataaatgaa 240
ntcnggntgc ctttgaatnn ttnac 265

<210> 1387
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1387

aattccgttg ctgtcgattt cattgccctc tttagaaatt tgcttgatct tgggtcttgt 60
tcagggcaga aagagataat acaaggcttt ggtgatgctt agcattttag aagaagtaat 120
gctgggtgga aatggatttg gcagtctcgt ttttcgcatc attggaatgg gagtccctca 180
cagttggaga caggatgaag taacagagcg tggggatctg gattaacagg tggccattcg 240
cagaaaggag gctgcaaagc aagaggtggg ggcttctggc tgagcaggaa ggtgggagag 300

<210> 1388
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1388
aattccgttg ctgtcggttt ggtcttaggc taaaatccat gttttacgga gaattcaaga 60
aatttttaaa cttcaggtag aactgtgttt tttacaaatg tatagaaagc atagtgccta 120
atgcatggta gaaacatttc tttaaggatg accggatgtt gccgtatgta tttatggcac 180
aagcaggtgt tgtctaagca gtttctctgt ttgcttgtca tagcagcatt tggaaactca 240
aacatgcttt catttacata aatagtttat gaagctttga caacaaatgt aaacagacac 300

<210> 1389
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1389
aattccgttg ctgtcggggg tcttagtttt caaactctgg caactctgtg aaaaatagga 60
gcaaactaga gagccctgga gattggtagt agggaaggga ggatagcagg aagtttgaaa 120
aattagcagc cccggggcct aaaggaatca gctgtcatca ttttcatcat tattattttg 180
gttaggatgg cttgaaaatc agaacgtatc ttggtttacg taattgaggt cttaaagaac 240
taagaacagt taaatagtca caactaccac cctctgactt acataatcat tggtgtgggc 300

<210> 1390
<211> 287
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(287)
<223> n = A,T,C or G

<400> 1390
aattccgttg ctgtcgcatt gcactccagc ctgggcaata agagggaaac tccgtctcaa 60
aaaaaaaaag aaccntagtc gtcngggaan acnttantgc ananacntgt gagngganac 120
ctganggaan tgaanaggna aggagttgtg ctgatatnta ggaggaggan tnttccaggc 180
anacggaaaa naggcccaaa gtntttgagg aaggggcntg ttggccntgt tcacaggaca 240
gcgaggaggc caaagtgggn ggagcaaaga tcccaggggg agaggca 287

<210> 1391
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1391
aattccgttg ctgtcggccc cgagtcattt ctgaccaccc cgttctgtgt cctcactctt 60
gtccctgaat gggtccctgt gtggatctca gtgtgtgtgt ggtttctcca ctcctccccg 120
ctcatgtccc acacctgcca tattgaaccg tttctgcact aatcttctcc acgggcacgg 180
agtggaggga acgtcttggg aaaggggaga gcttgacctc catctaggtt tcttttatct 240
ggagaaaaag aacacttttg aactatgtaa tgcttcgccc tgaaaggcaa gctaacgcta 300

<210> 1392
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1392
aattccgttg ctgtcggttc tctgctgtca cagcctttgt taccttccga gccacccgaa 60
aacctctagt acagacaacc ccaaggttgg tttataagtg gttcctgcta atctataaaa 120
tcagctatgc cactggcatt gttggctaca tggctgtcat gtttaccctc tttggtctta 180
acttattatt caagatcaaa ccagaagatg ccatggactt tggcatctcc cttctcttct 240
atggcctcta ctatggagtt ctggaacggg actttgcaga aatgtgtgca gactacatgg 300

<210> 1393
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1393
aattccgttg ctgtcgtata cctctttgtt atgatactga taaattgtga tcttgcagtc 60
gatcactgat tttctgtggt cagaggattc attattagcc tcttcatgga ttctatcttc 120
tgaaaccctt ttttctttct tttcattgtg ataaaaaaat cagcatatat gtgactaatc 180
taaatgagag attgattgtg tgagaccact gaaaacaagc atatgtgagt gattccatac 240
tgatttttgt tttaaaattg agcacgtttt aaaaattttg taaggctcgg cgtagtggtt 300

<210> 1394
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1394
aattccgttg ctgtcggggt gagagagatg gtgttctgga cacttcccct tggtgccatc 60
atccctgctc ctcctttcct tcctctcccc ttcccatgaa tgtggggctt gatttgtttt 120
acccccttaag tgggctgaag atgtaaagct taacctcttc caaactagat gctttgaggt 180
tccagctgtc actgagaaca gcttggtagc tggtgcagcg taccagcgtg cagaggcagc 240
attgttcagc tggagcctca ctgctggagc ctcatctacc agagggctcc ttccatactg 300

<210> 1395
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1395
aattccgttg ctgtcgggaa cactaatggc cctccctgga acagacacgg cgccccccca 60
cagaatagcc tcgatgcccc ctggaacagc ctcggtgccc cctggaacag cctcggtgcc 120
ccctggaaca gcctggtgct cctggaacag acacagcccc cccagaacag acacagcacc 180
ccctggaaca gcctggcgct tcctggaatg gccacatccc cccatccttt ctgtgctgct 240
ttaggcatct gcccttacgt ggttcgtgtc cagctctgtc aacaaggcca gctccacaag 300

<210> 1396
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 1396
cacctcttgt tctttttgca ggatccntcg attcgaattc cgttgctgtc gaagtttatg 60
tatattttaa aatattatta aaggaggttt gaaagtattg acatttaaaa agtcaacact 120
tagattaaat ttagctggta gttttaattt gggttttagt taagagtgtg aggacatcag 180
gaaaactgtt tactactttg gttttagcag ctcagtttta ctattccata atgtgttatt 240
tttaaagttc tctttttaag atcacagtga tatcctatct tcaaattttt taaatatgtt 300

<210> 1397
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1397
aattccgttg ctgtcgaaaa aagttaaata atcaaaaatc attcagaaga gagtacctta 60
aaagacccat atacctctga gaatttagaa tgttacaaaa ccgtatttca taccaatggg 120
gaaaggataa actcttcagt gacgaatatt agaaaaagtt agttatacat ttgaggaaaa 180
ctataaaagt accaataatg agtaggaaat cacttctgca gtatttttgg agcattttcc 240
ttaagcatga cataaaagcc aaaggtcaca agggaaaaaa ctgatagatt tgtctgtgat 300

<210> 1398
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1398
aattccgttg ctgtcggtca tgtggtttat taaatgtctt cagattccag agataagaca 60
aggtggccac ttcacaaaga atccagaatc atgctcagta aagctcatta aaagccactg 120
cagctgagaa ggttcacagc ccttctttat agccacagag gcagcacaca ggggaggtgg 180
gaagacacag ggaaacgaga gaagaaggat aatgaggcct tgaggtgttc tgcccccaat 240
ttcaaggagc ttatcaggct tcatgtgcaa tttggggagg ggagcttttt gatggtgggt 300

<210> 1399
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1399
aattccgttg ctgtcgtgga ggcttactaa ccaggtaagc cttctatgca tccacaccaa 60
aatcctgcag aatgtaagta agctctgctt tataagatgg gttcaccttc atcgcagact 120
gaaagtttca gtttttattt ttttcagaaa gcacgaaaaa ttatttataa tagtctggag 180
aaaaaacaca ctgtaatatt tcaagtgtat gcagtagaat gtactgtaac tgagcccttt 240
cccacatgtc taggctccaa tgtctcctgt aggtccacct aactgtgtgt tttcagggac 300

<210> 1400
<211> 257
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(257)
<223> n = A,T,C or G

<400> 1400
aattccgttg ctgtcgaact ttctttgcct ccctccccac agaagcacca gacccacctg 60
agccccagag cctcatgcca gcagctcctg gctgttnctc acctgaggct agagcagcag 120
ctgncanctt atagatgggg cgtatgntan ttaatnctnt nnnannntcc tctnataang 180
tnngnttnnn nngngntntc tttnnaatac gatntgcncn nnctatnntn annanntntt 240

atncnantnn atctnna 257

<210> 1401
<211> 266
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(266)
<223> n = A,T,C or G

<400> 1401
aattccgttg ctgtcgcact gaagttttgt tttagacact ttgggcttcg ctgattgaaa 60
acaccacacc aactgaaaaa tcactgtgaa aaagaacctg gtagtactgt caatatcaag 120
taggattcat taatttctg acattactgg acaagatggt tcgtgccatt cagaaagctc 180
tttttctttc ttcttctttc ctaatacagt gaggcataca acgtagcctg ccttatggtt 240
aannngcntg nngactttat nnttnc 266

<210> 1402
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1402
aattccgttg ctgtcggctg cggccggttt ggcccttctt tgtaggagag tttcatccgc 60
cctgaaatct tcccgatcgt taataactcc tcaggtccct gcctgcacag ggtttttttct 120
tagtttgttg cctaagagta caccaaatgt gacatccttt caccaatata gattacttca 180
taccacattg tcaaggaaag gactagaaga atttttttgat gacccaaaaa actgggggca 240
agaaaaagta aaatctggag cagcatggac ctgtcagcaa ctaaggaaca aaagtaatga 300

<210> 1403
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1403
aattccgttg ctgtcggccg ccgcctctcc aagttcttgt ggcccccgcg gtgcggagta 60
tggggcgctg atggccatgg agggctactg gcgcttcctg gcgctgctgg ggtcggcact 120
gctcgtcggc ttcctgtcgg tgatcttcgc cctcgtctgg gtcctccact accgagaggg 180
gcttggctgg gatgggagcg cactagagtt taactggcac ccagtgctca tggtcaccgg 240
cttcgtcttc atccagggca tcgccatcat cgtctacaga ctgccgtgga cctggaaatg 300

<210> 1404
<211> 209
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(209)
<223> n = A,T,C or G

<400> 1404
aattccgttg ctgtcggcct aagatttctt gtgggccaag gaattaatta ttccaatcag 60
aaatggaggc cttacctcat ttgggcaaag attagtgcta gttattgaag atttactaat 120
aaatgatctg ttaaggaatt tagttttttt tggatatgtt gttttggttg nngaaaacta 180
nggnatantt ataatagnta ttttttgaa 209

<210> 1405
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1405
aattccgttg ctgtcggaat gatcaacttg ttaactattg ctgagatgct gtgtaagaag 60
actgaacatt tgccatttgg tgatgtggaa gctgttgagc ttcactaaat ggtttccacg 120
gagtggaggg gaaaaggctt gtttgagtgg cctcaaatga aattgggaag agagggaaga 180
gacagtgtga gtataaatgg ttccttttgg aaattcagta caggagagca aagaattata 240
gatcgagggg tataaggagg gtcaataaat tttaagagag gatccattat tcatcagttc 300

<210> 1406
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1406
aattccgttg ctgtcggttt ggtttatata taatgaggga agaagatgat tacattattt 60
ttgtcacttt gccatcattg tttagaagtc atagaaagaa tttttaaata ggccaataag 120
tcttaaactt gagtacttgg cttagaagaa agtcaaaact ccttcctttt tgactaagtg 180
gtttgtttct ggggagctct taatttctat ttttataatc attagcctat aaggaaattg 240
tgtcttcctt gttctcaggg tgatctgctg accttgttca ctcatgaagc atttgggtat 300

<210> 1407
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1407
aattccgttg ctgtcgcttc agttaagtaa agaagcagcc ccataagcat ttttgtttgt 60
ccgtaattgg ccctattgca gaaagaaaga aagaaagttg ccctcaaatg cgtgagacag 120
catggcaggc tagggtgtaa cagatgagtt ctgagcaggg aaggtgaatg aagcaagtgg 180
atccttggaa agataaggta aagaaaggat gttagttgga aactagcaat caggaaggtc 240
agctgctgcc tggtctaggt agagtggcag ggcagaggag ggcttggctg gatatggtaa 300

<210> 1408
<211> 293
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(293)
<223> n = A,T,C or G

<400> 1408
aattccgttg ctgtcgatgt gtctctggta cagaatagtt gatattaaca gaaaaaaaaa 60
aatctgtagc ttcatgaata tgccactctg ttaatttctt gttccagaca ttttaataga 120
gattgcttga gccatgttgt ttgaattgct gccaatagca gaccatatcc ctatcatgtt 180
gttggctcaa ctgtttttt ttttccntaa tanaaangga gtatcnntgg gtngntnagg 240
ctggcnttna actccngggc tnaagctatc ctccngcctn ggcctcccaa agt 293

<210> 1409
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1409
aattccgttg ctgtcgaaat catcccaaac aacgcattat taccatatac atcaggatat 60
taggagccca atatagtgat ccagattgag atcctcttct ttttgtatgt gtctggattt 120
tgtttgctag ggttttcagg atttttgtgt atatatgcat gagatactca tctgtagttt 180
tcttgtgatg tctttgtttg gttttggtat cagggtaata ctcgcctcaa agaatgagtt 240
gggaaatgtt tccttctctt ctgtttttg gaagagtttg tgaagaattg atcattcttt 300

<210> 1410
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1410
aattccgttg ctgtcgctct ccgcagtgag aacctgcctt ggctcccctc ccctcaagga 60
gttcatagcc gtgggaggga gggagacaag aactgttgga gacaagaact gttagagacc 120
agagagcaag ggcgtgatgt ggtctgcagg gaggaggctg tctgaggcag aaccgggtca 180
gggaggccat ggtgcgggta ccctccaggc acggcatttg gcctgacttt tgaggggtgc 240
ccagggttgg ctacatggcg gggcggaggt atctttagtg ggggaacagc gttgtgccac 300

<210> 1411
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1411
aattccgttg ctgtcgtaaa aataaaataa aaaataaatg tgggcaaaaa tgtgcagtgt 60
gcagattcag catcagatac gtctggagtg cctcgggcat attcattgct actgttgatt 120
tcgtgctcct gtttctgccc taaatgtgtg ccacactgac gaccacagtg tagcccctag 180
tcccgtctcc atctaatctc tccctcatcc taaaggctca gtctccagaa caaatcctac 240
attgtctacc tgtcacctct gtcctagccc aggacacccc ccactccctg gacacctgct 300

<210> 1412
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1412
aattccgttg ctgtcgaaca atttttagag aagaagaaag agaataaaag actgaaaagg 60
aaacagaagg ctcttgctga agaggccagt gaagaggaac ttccctctga tgttgatttg 120
aatgacccat actttgctga agaagttaaa caaataggta taaataaaaa atcggtaaaa 180
tctgcaaaag atggcacatc tccagaagaa gaaattgaaa tagaaagaca aaaggctgaa 240
atggctttgc ttatgatgga tgaggacgag gacagtaaga aacacttcaa ttacaacaag 300

<210> 1413
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1413
aattccgttg ctgtcggaaa catgaaaaag aaaatgaaga attcacaggg caactaaaag 60
tggctaaaga tgttgaaaaa ctcattggac aagtggaaat ctgggaggca gaagccaaat 120
ctgttttgga tcaagatgat gtggacacct caatggaaga atctttgaag catcttattg 180
ccaaaggctc tatgtttgat gagcttatgg caagaagtga agatatgtta caaatggata 240
tacaaaatat ttcaagccag gagtcctttc aacatgttct cacaactggg cttcaggcaa 300

<210> 1414
<211> 300
<212> DNA

<213> Homo sapiens

<400> 1414
aattccgttg ctgtcggtag actgagatca gtgtgtaggg gtgaagcaag gagtcctact 60
ctgtttgact aaggtaaaaa ttaagaatca gtgagaaatg gaatttgcaa aagtgcctgc 120
cagataatgt tagaactgga ccagaaaata ggagttggta taaaactaga ccagcgagct 180
ttttttcctt caagatgcag ttcagtttat tgcttttgta aattagagat tgtgtttctt 240
gatctttatt aaagtagaat acaatgttaa cctacttcaa attttaaaaa atatacacac 300

<210> 1415
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1415
aattccgttg ctgtcggttt tgtacgcacc gttttctctc tgtgctatgg gagatgtcaa 60
ggaatcaaag atgcaaataa caccagaaac tccaggaagg atccctgttt taaatccttt 120
tgaaagtcct agtgattatt ctaatctcca tgaacaaact ctcgccagtc cttctgtttt 180
taaatcaaca aaattaccaa atagataaag atgtggaaga caaaagacaa aaagccattg 240
aagagttttt cactaaagat gtcatcgtac cctctccttg gactgatcat gaagggaaac 300

<210> 1416
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1416
aattccgttg ctgtcatgct gaggttgtta aacaggcccc atgtagctgt ccccacattg 60
gggtttgctt tctacttccc aggtgtttct cagcgtgaga gtttagtttg ctttgtgctg 120
ctggacaggt tcctgcagaa tggcctgttg tacgagtttt aagaatttaa atcccattac 180
acagccctga cttcttattt gctagttctt tccatcattc atttatttta tccacttgga 240
gttagtctgt ggctgccatg tgtttgtcag gtggcagagg atgagagatg gatgaaaagg 300

<210> 1417
<211> 289
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(289)
<223> n = A,T,C or G

<400> 1417
aattccgttg ctgtcggcaa gctcgggggt caaaccgaaa catgcaattc actaaaatct 60
ttcaggaaaa aatgacttta aatactgtca tcataatccc actttgtacc tccttctctt 120
ttcatatcca tgctcaagtg gaagttaaca aatccctgcc cccagagagc tgcccaaagc 180
atcacgtttt agaaactgtc ccagaatttc caaactcatc caaaagcaag tgacatcaag 240
tcagatattc ttggtgctag aaactcagaa aaaaaaaaaa nggggggtc 289

<210> 1418
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1418
aattccgttg ctgtcgaaaa catattagaa ctaacaaact tacaatggac atttaatagt 60
ggttttcctt tctattctat tttttaaaat gtaaatggag taaatgataa aatgtagact 120

gaatttatca taaagacatt ttcttttggt atactgcaag gaactatgaa cttttagtaa 180
ctactataag caactgacag gaaaaaatgg caacagaaga aggaaagagg agagaatggg 240
gagcagacac taaggtgtag tgaaaggagg aaaatgaagg ctaagtctaa tgatgtgaat 300

<210> 1419
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1419
aattccgttg ctgtcggctg aaaatgaaag cagacctaga agaagtccaa agtgcccttt 60
acaacaaaga gatggaatgc cttagaatga ctgatgaagt cgaacgaacc caaactttgg 120
agtctaaagc attccaggaa aaagaacaac tgagatcaaa gctggaagaa atgtatgaag 180
aaagagagag aacatcccag gagatggaaa tgttaaggaa gcaggtggag tgtcttgctg 240
aggaaaatgg aaagttggta ggtcacccaa aattttgcat cagaagattc agtcctagtg 300

<210> 1420
<211> 263
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(263)
<223> n = A,T,C or G

<400> 1420
aattccgttg ctgtcgaaag ccgattcatg tactgatgcc aatcagctag agcaatgtag 60
gctttttta atttaaatta ttactacact ttattactac acttgcagaa aagaaacatg 120
ttaaaatcat ggcacacctg cagaatttna tatgacagag tgnncanatc atgtattcnt 180
gnntntanaa tancnttntt ncnctacntc ttntntttcc tnanannata tctantantt 240
nttnagtctn tnnttcnana aat 263

<210> 1421
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1421
aattccgttg ctgtcgcagc cacaaagctc ctgcccatgg ggcgctctga ggggcagact 60
gcctgttggc ggagtcttgt ggggtggaaa tggtgaggtc actgtgatgc cactttgctt 120
agtcatcggc cacagggtca cctggagaag agcatgagct cagcataaaa gcaaggccca 180
ccctgcaggg gccagcagct gggagctgtc cactaaccac tatccttgca gctggacagc 240
gaggcccctc caaaaggccg tctccacctg ccaccgggaa aggacccgga gcgaaggatg 300

<210> 1422
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1422
aattccgttg ctgtcgatta tagccttcta taaaacttat aaaacttgct tgtaaaattc 60
catatagaga ttgcaactga gagttggtcg taaaactaaa aatattgttg ggaacagagc 120
aggtcaaaac tcccatgatt gatctaataa tggaattata ctggtaaaaa gccactgcac 180
ttcagcctgg gcaacatggc aagactctgt ctctaaaaag agacaaaaca gcataaaaat 240
atgcttgata taaactctag ccctcttcta gttatttgtt catttgtaca ttttcatttc 300

<210> 1423

<211> 274
<212> DNA
<213> Homo sapiens

<400> 1423
aattccgttg ctgtcgagac tttgatggtt atgaatggaa ccaagttact gagttagagc 60
attttctaat taaatatgaa ataggagctg aaggcataat ttattgatta gaatgacaga 120
aaatgttttt atgctgtaca tgccttttga acatttttca aaatacttgt aactttgaag 180
aaagtgtgta tattgttaga aggctgtaag gagagcaggt ctctgctctg gtggtgattt 240
tactcaagag gggatgtgaa tatttatatt tttg 274

<210> 1424
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1424
aattccgttg ctgtcggaga aacccaacac atgtaaggaa gattagaatg tatgcaattt 60
tcctagttcc cttctaaaac ttagaaggac ccgtcctggg aaagaacgtc ataaaatacg 120
aaaaatgtgt tagaacactt tattttccca gccgctttca aatatatttt tatcagtggt 180
tcattgttaa agaaggtgtc tatactttag attttcagtt ttttgcaggg aatcatggag 240
ctgagaattt cacagatact ttataagcca tagtacatga gcttaatagg ctgtgttttg 300

<210> 1425
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1425
aattccgttg ctgtcgatta tatgccacct gggtttacag tgtagtctct tatcaggtag 60
gtttgttctg agatgtatag taatgatgac tttcttcttc gcccaagtat tttgtgtacc 120
ttagaccagt ttagcaaatg aagtccaaga actatttgaa taagtcattc ttagaaaata 180
actttaggaa gcaactgact ccattcatgt gtatgcctct aattgtaggt tcacttctgt 240
ccgaatatga atttttaaaa taatttagc attatattag caatttgcaa tataccattt 300

<210> 1426
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1426
aattccgttg ctgtcgcaaa aggggaaaaa agtccaggtc agcataagtc attttgtgta 60
tttcactgaa gttataaggt ttttataaat gttctttgaa ggggaaaagg cacaagccaa 120
tttttcctat gatcaaaaaa ttctttcttt cctctgagtg agagttatct atatctgagg 180
ctaaagttta ccttgcttta ataaataatt tgccacatca ttgcagaaga ggtatcctca 240
tgctggggtt aatagaatat gtcagtttat cacttgtcgc ttatttagct ttaaaataaa 300

<210> 1427
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1427
aattccgttg ctgtcgctgt cagcgtttta gctgatgaag aattccttcc cttcaaagaa 60
aatacatttg acctggtggt tagcagttta agtttgcatt gggtgaatga ccttcctaga 120
gcacttgagc agattcatta tattttaaaa ccagatggag tgtttatcgg tgcaatgttt 180
ggaggcgaca cactctatga acttcggtgt tccttacagt tagcggaaac ggaaagggaa 240
ggaggatttt ctccacacat ttctcctttc actgctgtca atgacctggg acatctgctt 300

<210> 1428
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1428
aattccgttg ctgtcgctca actgaccgtt ggatttgcaa tgtggacctg aagagtaatt 60
gtggtgaagt tgtgagaatg aaactgaagt gggttcaaga aagaacgaga ggagagaaag 120
tggagtttga gtataaataa ctcttttgga gaggattggt gtaattgaat ggcaggggta 180
tgagatttga ggtcaaggaa atatttttat tatttttac gatgagagaa attgtagtac 240
acatgtatat ttatgggaat gactcagtag aaagaccaaa aatttcatat gtgagagaag 300

<210> 1429
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1429
aattccgttg ctgtcggcag aggggagaag gtgtcccagg aggagccttc ctggagggga 60
tgatagtcca gcatgttctg aagtgggagt agggtgcggc aggagtaggg taccagagaa 120
tgagtgagtc aggcagcagc ctccactgcg ccttggacac aggtggctga cagtgtccac 180
ctggactggc tttgcacccc ttctgaggtc acagttgtgt cccttgaaaa cttgggcagg 240
agcacctgac tggcccagct tgggtcatcc ctaggcccag cagtgcggga ggccaggaaa 300

<210> 1430
<211> 270
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(270)
<223> n = A,T,C or G

<400> 1430
aattccgttg ctgtcgcact gatttactcc ctctcttccc cactccctgt gaggctgggc 60
tgaggcacgg atccctgggc cacagagcaa gtctccaaat cagacagctg cctcagcccc 120
tgggatgtgt gatttcagct cctgtcacct catgcaaggg cgtggagacc agtagaggtg 180
tggaggccag gcagagagag gagcctgctc tgaggggtgc ccannntnat ggncactgtc 240
cnttcannta gcctgnctan gnccccctgag 270

<210> 1431
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1431
aattccgttg ctgtcggtaa tgtttcactt cttgaaccat gtaccaaatt tgccaatttt 60
ctgtccaagt gtttcagatg aataacaaaa cgctgttcat tgaagctttc gccacctttc 120
ttaaagcagc gtatgttcca agggaaaaag gcattgaaaa gcaatcgttt gtttttatga 180
agaataggtg ttcagattcc ttcagttttt ttgaaattag aaatttctta ccttatgtga 240
aatattcaca aacgtgcaca cttctgcaga gacaaagcat ttcactgcac gtgtaccagg 300

<210> 1432
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 1432
aattccgttg ctgtcgaagg aattctgtgg ctgtgctgcg tttcagaaaa taacccccag 60
aggccttggg ctgtggacct gggggttgga aggatggggg ctcatttaac cctcagaggc 120
agcgcctttg tctgtctatc tggtgacaag agagagacaa gtaaatgggg gccgttggga 180
cggcgggtgc ctggagggca gctctgggct catcgggcag tgcttagagc acaggccccc 240
ctgttggggg atggggagga gagcagtctg cccttgggan cgtatgcccc anggagactt 300

<210> 1433
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1433
aattccgttg ctgtcgggct gactcctgct tttttggagg gtttaacttc tctctcagct 60
agaaggttag gcattgcaaa taccagtgga taatttttt cttagcttta accccagccc 120
atttcaaccc cctctttgcc ctttgtatat tcttttgaaa atatgatcca gtagtgttta 180
tgaatgtgtg ttgtgtaaaa tttagagatt gatgttaaac aacagaatta aaggacaaag 240
ctgtcttttt tgttggaatt ggggatggga gagcagctca aagtgggaaa tatggagaaa 300

<210> 1434
<211> 299
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(299)
<223> n = A,T,C or G

<400> 1434
aattccgttg ctgtcgcttt ttacaaagaa aaatggaaaa actttgtatg gtagcttcat 60
gttgaagtgg ttttttgttt ttgtttttgt ttttttaatt tgtaaaatct ggaaagttag 120
cttgttctaa taggggctat gctctgcaat tccctttttt ttttttttttt ncntnccncn 180
aagcnaaacc ntnannaaan nntngnggnn tnnaanggng ggccgnnttt tccnccngtn 240
ggnatnnnan ntaaggggnc nnngnaaaac caaancncnt ngaaaancnn nggagggcc 299

<210> 1435
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1435
aattccgttg ctgtcgggta ctgtgaatgg agagcttcag ctaagaggag gctctgtccc 60
ttttcagagc caaaggaaat aatacaacaa aaaggaggct tctttggaga cctaagtcta 120
ttggatgtaa acaagacgtt gtatttaggg atgttctgtg tttctttctt ttttgaagtt 180
gtcatcaatt gctttactaa gatttttaaa tagtgaaaac ctcctgttta gactttggtg 240
gaagatgaat caaggaagca gggccctgtc ttatgggtca cgtgtctttg gtgagtgaga 300

<210> 1436
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1436
aattccgttg ctgtcgattt tatatgtttt ctcctatatt tcttgttttc atccaggact 60
actagattcc agtaagaata aaattaaaca ttagaggttt gtcttccatg ttgtttaaga 120
aaattagttt ccctttttaa ataattacta atatttgaag attatgaatc ataaattaat 180
cacaagtgcc atacctatta ttttagaagc aattgagcaa tataaatggt cttcagtttt 240
accagttctt gatctgtagt aaattccagg ggtggtgggg tctgtgaaat aatgaagaaa 300

<210> 1437
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1437
aattccgttg ctgtcggtca aatttcatca ggtaagaagt gctaaagtga acctgtaaac 60
tttgtttcaa aaaacaaaaa ccgaagttta agaaatctaa agatggtgtc agccttagac 120
agatctctgg actgtaatct gggaaaggtc aaataagatc tccaatcgtg tacaattcca 180
aatacatttg agagcagtgg gtctgaaaat gtggttccca gaccagcagc atcaacacca 240
tgaaggaagt tgttaaaaat gcaaattctc aggctctccc ctgtgcttta ataaagtttc 300

<210> 1438
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1438
aattccgttg ctgtcgcaaa aaggtacagt gattcagcca tttccatttg tcatttgttt 60
caacctttt taagttgagt gtttttattt ctgcagttat tagttggatc ctccacatct 120
tgcatatata catgggctca attattatgt ttgtcaggat aatcaaatga aaatactagt 180
tcagtgatca gcattgaatg gttgttaggc agccatgtgc tcaacactga tttcacctct 240
tgagtataaa ctttttaaat ttaaattggt ttacatgaaa gtggattaaa aggcctttca 300

<210> 1439
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 1439
aattccgttg ctgtcggaga gtggaggcca gagaagacca aagctgagga atgcgacctc 60
aggatttcct tctttctggg gatagttctc tttaggagga agaggagtta gcccctcact 120
tgcttatccc tctcctatgc tctggagttc ctctccaccc ttgcccccac cccacattgc 180
cccctcctgc tcggtcagtg cctggccagc tcaggcagct tgcgtcacag taaggtaaag 240
ccagaatgag nattangnct gagcganant gnaaaagcca ttcctntgac cctacccacc 300

<210> 1440
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1440
aattccgttg ctgtcgcttt tttggcaagg aggacaaata cgcaatgttg gaaaaccttg 60
gatggatatc ttctctttaa aaaaatgtaa agataatttg gtcttgaggg tttaaacggt 120
tgataatgcc tctacaacaa caagaaaaaa gataaaatac taggatagaa tcatggtggg 180
cacagtggct tctcaggagg ctgaggaggg aggtttgctt gagtccagga gttggagacc 240

agcccaggca acatagcgta aaccctatct ctaaaacaat ttttagccag gtgcggtggc 300

<210> 1441
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1441
aattccgttg ctgtcgtcag atttctgatt tgaaaagaat gatttcaaaa cttgaagctc 60
aggtcaagca agtagaacat gaaaatatgt taagccttcg tcataattct agaattcacg 120
tgagaccctc gcgtgccaac acactagcaa cttcagacgt cagcaggcgg aaatggctga 180
ttccaggtgc agagtattcc atctttactg gccagcctct ggacacccag gacagtaacg 240
tggataacca gctggaggaa acctgtagcc tagggcaccg ttcacctctg gaaaaggatt 300

<210> 1442
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1442
aattccgttg ctgtcgaccc caacctctc tcatgttcag tctgtctaat acatgccaga 60
gatttttttt tcaaaaagtg ctttatccct acaatgtact gacagttctt acagttgaga 120
tttgttcttt tcagctattg cttgtgaaaa aaagcaagac tatgtcactc tatagaaggc 180
tgttaaagtg actcaggcag gaattaatta ttctgtacct aaggggttac ttgtttaatg 240
ggatggcatt gacttttga aaatcaagtg gactgagtca ttgataaaac atttctaaga 300

<210> 1443
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1443
aattccgttg ctgtcgcact gaatgactta aggctcgaca aatgatattc ttggaaagtt 60
taatcttgag gttttcaaat ctttttttt aatgtctccc atgtttctca tttgctgatt 120
gattcattag ttgctcttag taagatttgt cagttggaaa taatgaaggc tgagactcat 180
ttctaaactc ttccataacc atcaccagaa gagcagccac tgtgttgtgt gatgtaggct 240
aatgcctccc agatagaggt aaagtcacaa ggactattag aattccagtg gattgtggaa 300

<210> 1444
<211> 245
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(245)
<223> n = A,T,C or G

<400> 1444
aattccgttg ctgtcgggaa gacagcccag aagcttgcta ttcagaaggc tttgtcagat 60
gcattccaga aactgttgat tgttgttcta gaaagtggta aaatagctgt ggagtacaga 120
cccagtgaag acatcgtagg tgtcagatgc gaagaagaac tacacggttt aattcaagtc 180
ccttgctctc cctggaagca gtatggccaa gaggaggaag ggtatctctc ggatttcanc 240
ttgna 245

<210> 1445
<211> 300
<212> DNA

<213> Homo sapiens

<400> 1445
aattccgttg ctgtcgatac cacctccttg cttggtatct tttacaaaat gttatacttt 60
atggatataa aggtgataaa gattggaaat aaatcttcta aatatgtaaa atgaaagcaa 120
cagcaacagc aaacacaatt atcgtattct ttgggagtaa caaatactgg ttttcatttt 180
aaaactaagg aaaatttttat cagtacttaa attcaatcca aaaaaggttt tataacaccc 240
aaactgtaca tttaaaatta tgctttctta aggtaatggc tagcattacc tagtttgtag 300

<210> 1446
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1446
aattccgttg ctgtcgatat tgttcaataa tgtcctttca tttgtttctg attggtttca 60
tcctgatact gtagttcact gtagaaatgt ggctgctgaa actcatttga ttgtcatttt 120
tatctatcct atgttaaatg gtttgttttt acaaaataat accttatttt aattgaaacg 180
tttatgcttt tgccaacaca tcttgtaact taatatacta gatgttaagg ttgttaatgt 240
acaaaaaaaa aacccttata ctcacctgcg tttccatttg tttgacattt gtctattatt 300

<210> 1447
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1447
aattccgttg ctgtcgggct gacgtgaaat gtaaactagt aggcgtgtta ttgatctgct 60
aaaactaacc ctctttttaa gaggagattt aaggaagacg tcaatcaaaa tgtcaaatat 120
gtgtgtcaga atataaataa tttttcacat tgtattgttg ctatataaaa aaaataatag 180
aattggttgg gtttctgagg tgaaatccag agtaagagta ctagacagtt caacaagcca 240
catctaatgg cacagataga ggatgtagct attttatacc tttcataaca tttgagagta 300

<210> 1448
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1448
aattccgttg ctgtcgacta ttaactaggc ttcagtatat cagtgtttat ttcattgtgt 60
taaatgtata cttgtaaata aaatagctgc aaacctagtt aatagtagtg taacaatatg 120
catcattttg atgattacat tattttaaac aacaaactac actgaaaaat taatgccgat 180
aaaattctgg gggtgggaag gtaggatgtg gagtgacatg gttctatcct ttacttatga 240
gactcagaaa tatatctaca aagccagatg ctctgtcttc atatttgcag acatctagac 300

<210> 1449
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 1449
aattccgttg ctgtcgattt ttctatgtat gtgatgtgaa atgaagacta tatatatgga 60
atggaggtga cagaaagaaa gaaattcttt gtttgaggga gacttcccct ttctggattg 120

09439250.050399

tatttgtaga gtgttacgag tgtatcatgt gattatgctt taccggtata agagattctg 180
ttgngattat ttgaatagtt ntatattaat anaagaagac aaaantttt aaatgttana 240
aaaagcngat ctgtcattgc tnngtatcnt aaantttang cttttatcna tgtatatttt 300

<210> 1450
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1450
aattccgttg ctgtcggctg ttcaacatta cttaatgact tgaaaatatt ttttattagt 60
tgtagaaaac tcaacaattt tcaaatattg ctttggctac attcaccttc attcctctgg 120
gattccactt aacatttatt aggtcttttt gcttaattcc ctatgtctct tctatacttt 180
cctgtatttt ctactcttgt gtctcccttc actccaagaa tttacttctt ttttgtttgt 240
ttgtttgttt ttgagacagg gtcttgctct gtcgcccagg ctggagtgca gtggcatgat 300

<210> 1451
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1451
aattccgttg ctgtcggaaa cctcaacaga cactgccgta acgaatgaat gggagaagag 60
gctttccacc tcccccgtgc gactggccgc caggcaggag gatgccccca tgatcgaacc 120
acttgtccct gaagagaaaa tggaaaccaa gacggagtcc agtggaatag agacggaacc 180
caccgtgcac cacctgccgc ttagcactga gaaggtggtg caggagaccg tgttggtgga 240
ggagcggcgt gtggtgcacg cgagtgggga tgcttcttac tcggcgggag acagcgggga 300

<210> 1452
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1452
aattccgttg ctgtcggtcc cacccccacc tcgccggagt ccggggcggc cccggtgtcc 60
cctccgagcc tgctgcactc cacgtccccc taccagggct ccagcccccа gggaaatctc 120
cgaccaggcc cgcccaggag ccagatccag gctcctggaa gaaccatgtc cggcagctac 180
tggtcatgcc aggcacacac tgctgcccaa gaggagctgc tgtttgaatt atctgtgaat 240
gttgggaaga ggaatgccag agctgccggc tgaaaattac ccaaccaaga gaaatctgca 300

<210> 1453
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 1453
aattccgttg ctgtcgaaat catgtacaga attgcaagag acccacggag aattatctac 60
caacaatatg catcatagaa atttagaaaa cagaagaaaa gtcactacag tcctaccact 120
cttactgtta cggtattaga aatatatata gtggatagcc ataagtataa atgatcncat 180
atagcatgtn ttttataaaa attggtttat actgtacatt ctatcttgtg angngatgnn 240
tttcacntgc cactgtatca tgcccatttc cctctntctg ctgtctgtat tcttcttgat 300

<210> 1454

<211> 300
<212> DNA
<213> Homo sapiens

<400> 1454
aattccgttg ctgtcgggaa aactacaggt gttgtccaag ctcttagcgg ttatccacga 60
acttcgacct actgaaaagg tggtgttggt atccgactat acacaaacct tgaacatttt 120
acaagaagta tgtaagcgtc atggatatgc ttatacaaga cttgatggac aaacaccaat 180
ctctcaaagg cagcagattg ttgatggctt taacagtcaa cactcttctt tttttatttt 240
tttgttaagt tcaaaagctg gtggtgtagg acttaacctc attggaggat ctcacttaat 300

<210> 1455
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1455
aattccgttg ctgtcggcaa aatagtattt tctattactg tgcaggggaa agggatggat 60
cgatacatgc aaatttaatg tagtaactca cttttccata tattttgaat gtatatttct 120
atttatgata ccaatttata aaaaataatt acacagaaaa aatggaatag gaaaaattat 180
gcatctagca catttaaact gtgcaaatat gaaaattttt cgaggattac attttatctg 240
aaggctgcat attttaactg gctttaaaac tgtaacacat cacataaaag atactttacc 300

<210> 1456
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1456
aattccgttg ctgtcgaaga aaattttcta tgattataat attccaagta agtttctctt 60
ttgagatcat ttgtctattg taggaagtca ggtaaataag tttagtttta aaaaacaaaa 120
atttctcaaa tcaggattct ttctgaccct ttaatctcag ataatgataa tagagtatta 180
tttcaaggat tccccttcta gcacaatctt gctcaagatc aggccaagaa tatagacagg 240
ttcagtaaac cacaagtgct ctaaacctgc ttgaacctat gtaagaactg agcagtgggg 300

<210> 1457
<211> 297
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(297)
<223> n = A,T,C or G

<400> 1457
aattccgttg ctgtcggtag agacgggttt ctccatgttg gccaagctgg tcttgaactc 60
ctgacctcaa gtgacccacc tgcctcagcc tcccaaaatg ctgggcttac aggtgtgagc 120
tactgcgcca ggcctaatat cttttttttt tttnnaaana aagnntngtt tngggcccag 180
nnngaagtgn agggggnaaa tttnggntaa tngaaccntc ngcntccnng gttaaaaaaa 240
ttttcnngcn taaccntcnn ganaannngg aannacgggn tngcccnaca accccaa 297

<210> 1458
<211> 300
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 1458
aattccgttg ctgtcggatt ttttttttct ccagaggctt agcgtaggtc ataccccaga 60
tgttgatgat gaatatattg attgctatct cagggcgaaa tctcaaaagt ttgtgttgcc 120
cttttaggaa tttcacagtt tatattgacc tataaccaag aggcaggttc attatgttta 180
attgcattaa aagataaaag aagtagacaa attgaaagga aaaagagccc agagattggt 240
acctttttat caagcnacan catgccacaa actttgcata cataaaaaat aataacctga 300

<210> 1459
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1459
aattccgttg ctgtcgctct acttttaacc agtctcataa aatgcctggg gttcataggt 60
gaagctggat tgttgcagga attctgcaat tgttggcaaa gcgaagggca gtttgactcc 120
ttaattataa agttggatgt catttgagaa actctgggaa ttggaagtag aacaaattca 180
tactttccct ataactttta atttcttgtc atacattcag aaaacaagag atgtaaaatt 240
cataaaactg cttgtataaa ttcagaaaac gggattataa aagcaaagac aaattgtctt 300

<210> 1460
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1460
aattccgttg ctgtcgatat aacccaggaa cgtgacagtc ttatgtgttt ggcaaaatgt 60
ttagaaagtg agaaggatgg agtgcttaat aaagtcataa aaagcaacat tcgcctggga 120
aagttagagg aaaaagtcaa gggctacaag aagcaggcag cactgaagct gggggacatc 180
agtcaccgtc tgctggagca gcaggaggac ttcgccggca agacagccca gtaccggcag 240
gagatgcggc acctgcacca ggtgctgaag gacaagcagg aggtgctgga ccaggcgctg 300

<210> 1461
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1461
aattccgttg ctgtcgcttg caccgtgtgg acagactctc cggttctggg gaaatccagt 60
ccctgttact ccattttggc cagaaattca aggatactgt catgaagcag acacatgctg 120
acacacctgt tgatcattgt ctatctggca taagaaagtg tagcagcacc tttaagctta 180
aaagtgaagt caacaagcat gaaacagccc ttgaaatgca gaatccaaat ttgaacaata 240
aagaatgttg tttcaccttt acgttgaatg gaaactccag aaaattagac cgtagtgtgt 300

<210> 1462
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1462
aattccgttg ctgtcgctgg cttcctcagc attgccgaga tgtacagctc tgtggcagac 60
cagtggtgcc tgattgtccc catgcacacg cgcaggagcc gggtctccct ggtggccagc 120
tgtgggcgcc tctacgctgt tgggggctac gacggacagt caaacctaag ctcagtggag 180
atgtatgacc cagagacaga ctgctggaca ttcatggccc ccatggcgtg ccatgaggga 240
ggggtcggtg tgggctgcat ccctctcctc accatctaag gcagaggatg ggatgtggtg 300

<210> 1463
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1463
aattccgttg ctgtcggaga tgtactgtgc ttatggatat gaagactcaa taacatgtca 60
attctccaca agttaataaa tgtataaatt tacttcaatt gaggattttt tattagacat 120
agacatgctg attttaaaat tcaaatggag gccaggtata gtggcttacg cctgtaatcc 180
cagcactttg ggaggccacg gcgggaggac tacttgagcc caggagtttg agactatcct 240
gggcagcatg gtgagacctc atctctacta aaaatacaaa aattagccag gcatggtggt 300

<210> 1464
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1464
aattccgttg ctgtcgctct gtttctctgg ctaatgtatt tttatcacac ccaagaaatt 60
taacgtttat aagatgtaat catttaatat accaaccatg tgtatactgc ttcagttgct 120
cctcagattc ctgaatctaa tcagatataa cactttgcat tttgtttacc ggtctctcta 180
gtcttctgta attttcccag ttttttccca taatactgat tttttttca gcattaaagc 240
tagctctctt gtagagtagt ccacagtctg aatttatctg attgtttcat gattagattc 300

<210> 1465
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1465
aattccgttg ctgtcgaaag gttacattct ttttggttca tctactcaga agctatttaa 60
tgaatgttca ctccatgtca ggcatgtggc atgttttcat ctctaccagt aacgctgaac 120
tttcttcttg tgtgcatcag cctgttgttt tcttttgtaa atgttctgtt cgtgtccatt 180
atcaactttt ctactagggt gtgactgttt ctatgatata tttataacga tgtgtgtgtg 240
tgtgtgtgtg tatacgatat ttggggtaaa tacttttccc agcttctttg acttttaatt 300

<210> 1466
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1466
aattccgttg ctgtcggcgg caaattgtgg aacagatgga aaagaaccag gaggagcgat 60
cgctgcttgc tgagcagcgg gagcaggaga aggagcagat gctggaatat atggaacagc 120
tccaagagga agatctaaag gacatggaac gaaggcagca acaaaaactg aagatgcaag 180
ctgagattaa gcgcatcaat gatgaaaacc agaaacagaa agcagaactc ctggctcagg 240
agaagctggc agaccagatg gtgatggagt ttaccaagaa gaagatggct cgagaagcag 300

<210> 1467
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1467
aattccgttg ctgtcgcaat ttctgagtct ctttctattt aatgccacca atttctgagg 60
aactagagtg cagagtggat tgcttttcag ctttttctat taggattcag atagcttttt 120
aattgctgct aatatatttg tcattcatat tgctttttg ttttcaaaat tcagttaata 180
ttttttcttc tcattcattt tgactttgta ggttcatgcc atttgtaaaa ccctctttgt 240

tgtcttttta ttggaatttt gagagggagt taaatgtctg tttttaatct accatcttta 300

<210> 1468
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1468
aattccgttg ctgtcggaca gcagctccga ggtcggcggg ggtctgggtg gccatggagg 60
agccccctgt gcgagaagag gatgaggagg agggagagga ggacgaggag agggacgagg 120
ttgggcccga tggggcgctg ggcaagagcc ccttccagct gaccgccgag gacgtgtatg 180
acatctccta cctgttgggc cgcgagctta tggccctggg cagcgacccc cgggtgacgc 240
agctgcagtt caaagtcgtc cgcgtcctgg agatgctgga ggcgctggtg aatgagggca 300

<210> 1469
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1469
aattccgttg ctgtcgccaa aatgtatccc agtaaagggc tttggtaaaa aatataaata 60
atttgaacaa gtgtccagag gggagataat gtacagaagg aaaaaagaat aatgggcttt 120
taacttcttt tttttccctc agtttttatc tttttcctat atagagatgg gagtctcact 180
atactgcgca ggctggtctc gaactctctt gggctcaagt gatcctccca cctcggcctc 240
ccaaagtgct ggagttacag gcttgagcca ctgctcctgg ccagcttcta ctttaaacct 300

<210> 1470
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1470
aattccgttg ctgtcgacga gcttttgctg tgttggccag actggtctca aactcctggc 60
ctcaagtccc aaattgctgg gatttaggca tgaaccacta tgcctggcca taccgtacag 120
aaacactctt atggtgtatg tatgcgtcta tttggaactt agttttgtag tctttttta 180
aaatcatact ttattatagt accttgttat cattttgaat atgttaaatc aacactataa 240
tagttaaggt agacagaaca ttaggacata ccgtattcta tatttttcc tctgtatttg 300

<210> 1471
<211> 292
<212> DNA
<213> Homo sapiens

<400> 1471
aattccgttg ctgtcgtaat cttaaaaata cttgcctcaa agatttattg ggataactaa 60
gatctgtaat acttggagat aggaactatg tcacatagtg catgacacat gaaaggcact 120
taatattcat tgaattgaat taaatctcac agatttaaat aaaaggcctt tgccttaatg 180
ttcaactttg tatttggtat gaggtctctc tgtctccctt caattaaatg atatttagag 240
gtatgctcac aatagattag acatagttaa ttttttttt ttttttttt tg 292

<210> 1472
<211> 293
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(293)

<223> n = A,T,C or G

<400> 1472
aattccgttg ctgtcggttg agtcataaaa taaaaaaact agcaaatcca gctctatgct 60
cagagaatta ccagaaaata aaattacatg aagcttgaat atagggagat ggaaagatat 120
tagacaaata ttaaagaaaa tctgggccag gtgtggtggc tcacacctgc aatcccagca 180
ctttgggagg cccaaggtgg gaagattact tgaggcaagg ggttnganan cngcctgntc 240
ntnatannga anntnngctc ttnanannag antgngntna ntagagtaat taa 293

<210> 1473
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1473
aattccgttg ctgtcgtata tgccaagaac caaggtgttc tgtcatcaaa attgattttt 60
tatgtgtgaa ttgacaactt gctaaagtcc cccaaatttg ttgtttctaa agaattggaa 120
accatttgag aggagctatt gtaagagggg acttcagcct tgatcattag ccgtcaggag 180
ctctccctca ggaagatcag atttaacagt ttttgagaaa cttgagattc tgaaatgctc 240
cacggcctgc ttacccttg gaaagactgt aaggggtaga agtacccaac agaagaccac 300

<210> 1474
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1474
aattccgttg ctgtcggttt agcactcaca tatttttgtt caatctttac ttctcacaca 60
aacagaaaaa ggaaattata tattctgtat caacaaagat ttaacaaaac atccatacac 120
tacaactgtc tacttactaa aattaagaat tagtatatta tctttttttct tcttatatta 180
aaactatctt ttcatacact attttaagtt tatgaactga aagtctttta gagataattt 240
acttcaatga actattatta tttatatttt ataagcaaat tgtcacaact tggtattagc 300

<210> 1475
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1475
aattccgttg ctgtcgcatc tgtatgttgt ggtgtcatag aaagagtcca gacctggagc 60
cagagggagt tgaattcaaa caccttgatt tcttattatc agctgtgtca agatcaaatc 120
actcctcttt ggcatgctgt ttttttctag aagtattact cttgccttag ctattaccat 180
cccctctctt gcttgtaggt tgatatttac ttgctaattc actctcagtg cattgttttt 240
gaatcttagc ctagtttttt gtttgtttgt ttgtttgttt tgacagtctg cttactgcaa 300

<210> 1476
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1476
aattccgttg ctgtcgggac tacaggtgcc cgccaccaca cccggctaat ctttgtatta 60
caggatagag ttcttggaag cctggcgtgg agggagggag agcaggtagc acagttacag 120
aaggatcttc gggatatgga aatgcggtat ttgtggacac tcattcatct aacacacatt 180
tgttgagctc ctaatgtgta tagaactgaa gggatggagt catgggcagt ggaaaagctg 240
aaattgtgta aaagagagag aaggatcagt ggctatggtc tcgaagatga cgtggaagtg 300

<210> 1477

<211> 300
<212> DNA
<213> Homo sapiens

<400> 1477
aattccgttg ctgtcgaagg gatccagtaa ctgctcccag ggaaaggata tcagcttgac 60
ctgcagctga cagctagtag taactgtaag ccacatgagc gaacaatcta ggccatccag 120
cccagaagaa cattaagatg actgcagctc cagccaacat ccggctacag caacctacga 180
gaagccaaat aagagcagcg tagctcagtc ctcccagaat ttgggaccca gaaaataaaa 240
gggaaactaa acaggtaaac aagttgttgt tttacaacac tgtgtttgag agtaatgtgt 300

<210> 1478
<211> 288
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(288)
<223> n = A,T,C or G

<400> 1478
aattccgttg ctgtcgcgta gtgtggtttc cgggctccga tgaccccagc cagaaccccg 60
cctttgttca tgcctagggt agaggcataa agttcagcac agccacaggc cacaccttgt 120
tatgggcctc agaagccatc tcctctccag acctgtacca caaagctcct aatgtaacac 180
atcattgtcc tcattcaact tggctgtatg ctattggagg gtggaaatca catctcctgt 240
ttatccgtgt gcttgttagg tgtcagccgn caccccccc ccatatgc 288

<210> 1479
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1479
aattccgttg ctgtcgagaa ccttgtggtc atcaataaag ccctacggtc tccctgtgca 60
tggtggccct ggggtccagc tctgcatcac tgatgtacta cctatcctgg caaagatgct 120
tcatggccac aaggcagagc ccttgcatct gtgccaccgg ctggacaagg aaaccacagg 180
tgtaatggtg ttggcttggg acaaggacat ggcacatcaa gtccaagagt tgtttaaaac 240
ccgtcaggtg gtgaagaagt actggtatga ggcctgctga tggcagtaga ggtggtataa 300

<210> 1480
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1480
aattccgttg ctgtcggaat tccattggcc agaacatagt cacatggtca tgcatatgag 60
aagtaaaatc ttggaaatgc acttttttata caggatgatt atttgcccag ccgaaatgta 120
gggtttccat tattatcaaa gaaaaaagag cagaatagga gatagctaca agtctctatc 180
tcttacagaa tgtaagtcag acacatcact tgaggggctt aaaatttta acatttcttg 240
atgctttatg cttatcattt gtaatggaag atttgtatgg tggtagcctt ccataaagac 300

<210> 1481
<211> 298
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (1)...(298)
<223> n = A,T,C or G

<400> 1481
aattccgttg ctgtcgagac ttttgtatat ttatcttaaa ttatatatct gaagtttttt 60
tttttttant ggnagttnag gcttccagng ccntatcagn ctttatataa atcngtngaa 120
naatcgtttn ttntaaaatc aaagtaaatt tntngnncat gttnaaggag ngaaaaggaa 180
tttgggnata tgnaattttg ctagnnctta nggcttcnat ctaaaaangt tnatgangga 240
ccaggcncgg gggctnatnc ctgggatcct ancnctttgg gaaacccagg cggccgga 298

<210> 1482
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1482
aattccgttg ctgtcggccg ccccaggggc cctgggagct gcagggcata ttgctgctga 60
gccagaatga gctgtaccgc cagatcctgc tgctgatgca cctgctgccg caagacctgc 120
tgctgctaaa gccctgccag tcttcctact gctactgtca ggaggtgctg gaccggctca 180
tccaatgcgg gctcctggtt gctgaggaga ccccaggctc ccggccagcc tgtgacacag 240
ggcgacagcg attgagcaga aagctgctgt ggaaaccgag tggggacttt actgatagtg 300

<210> 1483
<211> 280
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(280)
<223> n = A,T,C or G

<400> 1483
aattccgttg ctgtcggtac atggtcccac ttttttttctt cggtctatta ttggactttg 60
catttccata tacattttag aatcaattta ttccacaaaa agctaccaac aacaaaaaag 120
cctgttggga ttttattgga attgtgtcag atctatagat caatttggga ggactgattt 180
ttagacttgc tcaagtattg gatactttct ttttttttt ttttaaaacg gnntttngct 240
ttngtnnccc aggnngnagg gcntnggcnn tntttgggct 280

<210> 1484
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1484
aattccgttg ctgtcgccca tcactacagt caattttaga acattcatta tccccaaaag 60
aaccctgtac ccattagcag ttattatctt tacttttttaa atgcgggaaa taaacctaca 120
tagaaagacc agaaagactt tatgctcttg aactgtataa actgactcca gcctacctgt 180
tgtacctttt gttgttgttg ttgttgttgt tgttgttata ccttattttc tactagttcc 240
cataatacat catttattta attcaggctg ttttcctact tgtgctacaa agtgttatta 300

<210> 1485
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1485

aattccgttg ctgtcgaaat tttccagttc ttttttcagc ttctttattt cctcctaatg 60
gaaacattat ctttaaaagt tgcatatagg aaatatacat attttacgtt tgaacaagga 120
gatttaattg taaatatgaa agccaaagta ttcctgaatg gtcaaataca gcaataaagg 180
cagaagaatt aagatttttc tttgttccat tgtacagtgt aaataactaa gttgttaact 240
gtcaagtcca gttatgtatt ctgtaagttg tgttctagtc tttgactaaa atttatcatc 300

<210> 1486
<211> 278
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(278)
<223> n = A,T,C or G

<400> 1486
atcgagaact cttactacaa gctncttgtt ctttttgcag gatcccatng attcnaattc 60
cgttgctgtc gccaaaatgg cgcgggtgct gaaggctgca gccgcgaatg ccgtagggct 120
tttttccaga cttcaagctc ccattccaac agtaagagct tcttccacat cacagccctt 180
ggatcaagtg acaggttctg tgtggaacct gggtctactc aaccatgtat ccatagcagt 240
ccaaattngn antntgctgt tnnaatntat nacaatat 278

<210> 1487
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1487
aattccgttg ctgtcgggga gtccttgttg ccatccatcc ctaggggtta attttgttcc 60
ctgaggctgc tttctaggga cttctggtcg cttgttttat cctggaccag acctgaaagc 120
agagcctgaa ataaggcctt ctatgcacat catttatgta ggaggtggcc ctaggaagca 180
ggcccaatgc gccatgggaa aaaccagtac cagggtgttt tgctgagttg agcactgtgg 240
tgggcagctg gacatgagcc cactggaatc ttctgaagag cccaagagcc tcttctcagt 300

<210> 1488
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1488
aattccgttg ctgtcgggcg gcaggtgatg cagtttggac ggattgatgg cagtgcgtac 60
attctggact tccagtatcc gttctcagcc gtgcaggcct ttgcagttgc cctggccaac 120
gtgactcagc gcctcaaatg aagagactgg tgtggggagg agagagatgc agagagcctt 180
tggaagaggt cttcggagat gccagaggag ccctctaggg gtccgatgcc tgggaggacc 240
acaagccaac agcaaaactg gaaaagcccg gcaggcccag gagagggcgc tgacctgtgg 300

<210> 1489
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1489
aattccgttg ctgtcggacg gaaaccatgt ttgtggctcg cagcatcgcg gcggaccaca 60
aggatctcat ccacgatgtc tctttcgact tccacgggcg gcggatggca acctgctcca 120
gcgatcagag cgttaaggtc tgggataaaa gtgaaagtgg tgattggcat tgtactgcta 180
gctggaagac acatagtgga tctgtatggc gtgtgacatg ggcccatcct gaatttgggc 240
aggttttggc ttcctgttct tttgaccgaa cagctgctgt atgggaagaa atagtaggag 300

<210> 1490
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1490
aattccgttg ctgtcgcaaa aaacaacaac aacaaaaaaa aactgttaac aatttttctg 60
tctgtgttca tgaggtgtgt tagtctgttt ttggttcctt gtaatgtctt ttttctgagt 120
tatttgctgg cccttccctt taattttctg caagagtttg tagaaaattg tattacctct 180
cctgaaatat ttgctagaat tcactagtga agctgcctgg ggctggagtt ttctttaata 240
tagagctgtt cagatagtct gtttattctt ttccgtttct gaaagtttgc atcttttaag 300

<210> 1491
<211> 268
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(268)
<223> n = A,T,C or G

<400> 1491
aattccgttg ctgtcgtgga gatggagcgg atgatgcagg cgggcactcc catgggcatg 60
gagtttggtg gaggccgggg cctcctgagc cctcccatgg ggcagtctgg gctgagggag 120
gtggacccac ccatggggcc aggcaacctc aacatgaaca tgaatgtcaa catgaacatg 180
aacatgaacc tgaacgtgca gatgaccccg cagcagcaga tgctgatgtc gcagaagatg 240
cggggccctg nngacttgan gggcccca 268

<210> 1492
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1492
aattccgttg ctgtcgaacg tcttgaagaa tagtgaaaag tcaaagtttc aacagcatgt 60
gcctttccgg gaaagtaaac tgactcacta ttttcaaagt ttttttaatg gtaaagggaa 120
aatttgtatg attgtcaata tcagccaatg ttatttagcc tatgatgaaa cactcaatgt 180
attgaagttc tccgccattg cacaaaaagt ttgtgtccca gacactttaa attcctctca 240
agagaaatta tttggacctg tcaaatcttc tcaagatgta tcactagaca gtaattcaaa 300

<210> 1493
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1493
aattccgttg ctgtcggtgg agtggtccgg ggatggcagt gggaccctgc agaggagtgg 60
ctctcttggc aagatccggg atgtgctccg cagaagcagt gaactcttgg tgaggaagct 120
ccaggggact gagcctcggc cctccagcag caacatgaag cgagcagcct ccttgaacta 180
tctgaaccaa cctagtgcag caccctcca ggtctcccgg ggcctcagtg ccagcaccat 240
ggacctctct tcaagcagct gacattcaac ccggcccca ggtctgctgg gtcccccac 300

<210> 1494
<211> 252
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(252)
<223> n = A,T,C or G

<400> 1494
aattccgttg ctgtcgtgga gactttgatt cgaagcccag ttgggccgac caggtggggg 60
aggtgtgaga ggttttacnn agatctnact tgctagtcca caaatgccac atgtggacat 120
gcnnacccac tcaccctgtg ctgnctccac atntgtcaag ccctgaaacg cttcacaaga 180
cagacttttc tcttcgaagg gaaaccctat cttgcatttt actctacgct gntcttttt 240
tttgagactt ga 252

<210> 1495
<211> 262
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(262)
<223> n = A,T,C or G

<400> 1495
aattccgttg ctgtcgatga ggtgctggtg tgtggatgga tgaggtgctg gtgtgtgggt 60
ggatgaggtg ctggtgtgcg gatggatgag gtgctggtgt gtggatggat gagatgctgg 120
tgtgtggatg gatgagatgc tggtgtgtgg atggatgagg tctgtgtgna tnnatnaatn 180
nctattnctt tnnnncctnaa ngcnntnntt catttntant attatnnncn ttnctttcaa 240
actnntnttn ncattattat nt 262

<210> 1496
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1496
aattccgttg ctgtcgccgg cctcctatgc cttctttccg ggcctgtttt aagagcattt 60
tcagaataca cacagaaaca ggcaacattt ggacacatct cttaggttgt gtattcttcc 120
tgtgcctggg gatcttttat atgtttcgcc caaatatctc ctttgtggcc cctctgcaag 180
agaaggtggt ctttggatta tttttcttag gagccattct ctgcctttct ttttcatggc 240
tcttccacac agtctactgc cactcagagg gggtctctcg gctcttctct aaactggatt 300

<210> 1497
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1497
aattccgttg ctgtcgcgac agcaacggtg acatctttcc tcggctcctg tttggatctt 60
cttcagatct taatggaggc agatgttagc agggatgaaa tacaggtgcc tgtgctggat 120
actgaggatg cgtggctctc cgtggaagga ccaatctcca tagtggaact ggcccttgaa 180
cagaagcaca tccactaccc actggtggag caccactcca tcctgtgctc catcttgtat 240
gcagtcatga ggttttctct gaagaccgtg aagccacttt cacttttga cagtaaggga 300

<210> 1498
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1498
aattccgttg ctgtcggttt gcttaacaga gtaaaaatgt ttttaaaaag tttaaagttt 60
ataaagtaaa agcattacaa taacctaatt ttaatttatt atggaagaaa gacattttta 120
aagataaatt tagtttagcc taggtataca gtctaactat agctggagtc ttcaacatac 180
ctctatcaac atttgataaa acaagccaga aatcatcaag gatatagaac catcaccatc 240
aaccagcaga atctcattga catttataga acacttcacc cagcagcagg atacacattc 300

<210> 1499
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 1499
aattccgttg ctgtcggatt tctactctgt ctcctcaact ctgttgatat ttggggaaaa 60
ttctgttttt catagattct ttgagatgct gatggaccag cttcagcatg tttgaggttg 120
tctgaaatgg agatcactgt aaaactgtct ttttctttta aattacaagt acactggggt 180
taactgtatt gctggaaaaa catcaagaat gacagtctta tatttaaggc accagtcatt 240
ggttccattt tttttttaa ttcttccctt ggattaatat ttnctactga anagaaatga 300

<210> 1500
<211> 292
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(292)
<223> n = A,T,C or G

<400> 1500
aattccgttg ctgtcggaga tatgcgggca attcagcctg atgcaggtta ttacaatgat 60
ctggtcccac ctataggaat gttcaataat cctatgaatg cagtaacaac aaaatttgat 120
cctacatcaa caaattaagc aaagtgtcct gtattcttag tgctttggac taancaanga 180
atacgnttan ntacttgacc acttaccctc ctatcantgg tgnctaatnc ctatgttaca 240
cgatnaagac acaggtttan nactttgccc atatagttaa nttattgaca ga 292

<210> 1501
<211> 297
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(297)
<223> n = A,T,C or G

<400> 1501
aattccgttg ctgtcgggct ggagtgcagt ggctcaatct cggctcactg caaactccgt 60
ctcccaggtt cacaccattc tcctgcctca gcctcccgag tagctgggac tacaggcacc 120
tgccaccacg cccggctaat tnttttttttt tngggatttt aantaaaanc gggntttcat 180
natgttaccc ngnatggngc taatntccng acctggggat ccncccnttt ngnccnccca 240
atgggctggn attncnggcn tgagccacna cncntagcct tcccnatcta tttttca 297

<210> 1502
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1502
aattccgttg ctgtcgaatc tctgtattat agctatttgt ctaacattac cccacatgta 60
ataaataaaa caatatgagc ataattgccc cataaagaac tcatgtcctg aattaataag 120
tcttttcatt gccagtcact tgtgcaattt atagagacta tcaacttttt tgcaccatat 180
atgaaggaaa caaagtgcaa aaagtttgct ctctccctta agaaaattga gtgcttatag 240
cctatgtctt ccatataaaa aagtaagaat atcagtcttt ttaatgttat tctaagaaaa 300

<210> 1503
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1503
aattccgttg ctgtcggaga aatccatcaa caaaattggc cacgctctgc acgcccacga 60
ccccgtcttc aagagcatca cacactcctt caaggtgcag accttggcca gaagtctggg 120
cctccagatg cccgtggtgg tgcagagcat gtacatcttt aagtctcccc tcatcaggac 180
gcctccttcc tgtacacgga gcccctgggc cgggtgctgg gcgtgtggat cgcagtggag 240
gatgccacgc tggagaacgg ctgtctctgg ttcatccctg gctcccacac cagtggtgtg 300

<210> 1504
<211> 267
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(267)
<223> n = A,T,C or G

<400> 1504
aattccgttg ctgtcgacgc attctacctt ttcctacaat gaatccacca gcagaaattc 60
ctgtacacat cttatcaaca aagaatttga acctcaaaga attctcactg tgttacctag 120
gctgcagtgc agnggtgcga tctcaactca ctgcnacctn tacctcctgg nntnaancnn 180
ntctnctgtc tnancnannn tanntntcat tntctacnnn ncttnnttgn nnannctagt 240
ntntttntcn tatntcatnt ctnccac 267

<210> 1505
<211> 293
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(293)
<223> n = A,T,C or G

<400> 1505
aattccgttg ctgtcggagg actgcttgag accagcctgg ggaacatagt gtgaccttgt 60
tgctatgaaa aaaaaaaaga aaataancca ggctgatggc acatgcctcn agtcccagct 120
tcacaanagg ttgaggtnan anaantgctt gacccanaag annaganncn atanngnnga 180
nattaanngn aggnnngcat tntnctnnnn tagnnncnnn ctngacnntt gtcntnanna 240
ttctncngta tttnnccaan gaatngacnn atnaagnntn ctctnctcta aat 293

<210> 1506
<211> 296
<212> DNA
<213> Homo sapiens

<400> 1506
aattccgttg ctgttccgtt gctgtcggcc taagcataaa accaaaatta taaaactcct 60
agaagataac acaggagaaa acctggatga ccttgggttg gcaatgactt tttagataca 120
ataccaaagg catgctcctt gaaagaaata attaattgag aagccagaag gcaaaatggt 180
acagccattt tggaagacag tttggccgtt tctcacaaaa ctaaatatac tcttaccata 240
ccatgcagca attatactcc ttggtgttta cccaagactt gaaaacttgt gtctac 296

<210> 1507
<211> 286
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(286)
<223> n = A,T,C or G

<400> 1507
aattccgttg ctgtcggttt gatcccataa aacccaaacc tccacaatct aaattgcttc 60
gtgaagataa gaaccataac atgtatgttg caggatgtac agaagttgaa ctaaacttac 120
tgtacngnnt tataggcaca gtctaagaat ncactattac ctacaggnnc ngtaatatan 180
aagaaatngn nntgagggan annnancact ctttcttann aactnatcag cncnnntaga 240
tnttgggnta anaaaatacc gggngaaacc nncataaaat gattaa 286

<210> 1508
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1508
aattccgttg ctgtcggtca gtttttctag attggcaata gcctgttgca aagtgcctaa 60
acctttgaga aaaattacta tgagcaaggt ccatgattta gttttcaata taaagggaat 120
tccattctat actgtaaaat ccaaaaatgc tagttgccct cagcttttga gttgacttcc 180
agaaagttga gatcttttga ccatttttc tcgtgtcata taaaatgtgc cacatggtag 240
ttgtcaagct gtggtagtca tgtacacttt tttctttttt ttaactttct aaaaggaaaa 300

<210> 1509
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1509
aattccgttg ctgtcggtga ttctaattga atgcagtgaa ctgagaggaa ttatgaacta 60
ccaggaggtg gaggccctga agcacaccat caagctcctg acggtcatta aatggcatgg 120
accaaaatgc aacaagttga actccaagtt ctggaaacgt ttacagtatg aaatgccttt 180
taagaggata gaacccatta cacatgagca ggctttagat gtcagtgagc aagggccttt 240
tggggagctg cagactgtct cggccatttc catggccgcg gccacctcca cagctctagc 300

<210> 1510
<211> 258
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(258)
<223> n = A,T,C or G

<400> 1510
aattccgttg ctgtcggtcg gggtttcgta cgtagcagag cagctccctc gctgcgatct 60
attgaaagtc agccctcgac acaagggttt gtcgaataat tgcttcattt tcttgagcaa 120
tactgaagca ggatgaagta agaggaatgc attcattaaa acatgctttg ctttatgaat 180
tnttggctct nttttatgtc nctnttnnnt antnnnnnan tttnattann ntnannttat 240
tgttatntna ttannana 258

<210> 1511
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1511
aattccgttg ctgtcggcct aagcataaaa ccaaaattat aaaactccta gaagataaca 60
caggagaaaa cctggatgac cttgggttgg caatgacttt ttagatacaa taccaaaggc 120
atgctccttg aaagaaataa ttaattgaga agccagaagg caaaatggta cagccatttt 180
ggaagacagt ttggccgttt ctcacaaaac taaatatact cttaccatac catgcagcaa 240
ttatactcct tggtgtttac ccaagacttg aaaacttgtg tctacacaaa aatctgcacg 300

<210> 1512
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1512
aattccgttg ctgtcggtcg gtcttcctcc ggcccgggcc ctggcccagc tagccggcca 60
tggaagtgaa gaaaatgttt ggaagctctg tgaatacatc aaaaaccatg accagtatcc 120
tttagaagaa tgttatgctg tcttcatatc taatgagagg aagatgatac ctatctggaa 180
acaacaggcg agacctggag atggacctgt gatctgggat taccatgttg ttttgcttca 240
tgtttcaagt ggaggacaga gcttcattta tgatctcgat actgtcttgc catttccctg 300

<210> 1513
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1513
aattccgttg ctgtcgccag aggcagatgt gttgctgagc agaaatgaca aagaggtggt 60
ttctgtccct tgggcctgag ggtccggtgg cagagccaga catgacaaca atgtaaagca 120
ccagcaaaat gtgatgtcaa agggaagcag aaatacattc aatctgatag gaggacctag 180
gaaggtctct gtgaagaaca ggaaggattg caccagaaag ctcctgctgc ttctgtaccc 240
cgcctgtccc tcccagctgc gcagggcccc ttcgtgggat catcagcccg aagacaggga 300

<210> 1514
<211> 295
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(295)
<223> n = A,T,C or G

<400> 1514
aattccgttg ctgtcgaaga ggctgaggcg ggagaattgc ttgaacccag gaggcagagg 60
ttgcagtgag ccaagatcac accattgtac tccagcctgg gcaacagagt gagactctgt 120
ctcaaaaaaa aaaaccaaaa aanaaaanaaa aanaaanaag gaaanaangg gaaaggaaag 180
gaaaanagan aganaaanan anaaanaaan acncttcntt tccgnaaagc cagccgnatt 240
cntcccagcg tntttnttgg ngtctgnnca tggataaagc ctcccnattc ccccg 295

<210> 1515
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1515
aattccgttg ctgtcggatg aagccatctg gtcctgggct tttctgtgtt gggaggtttt 60
tgattactga ttcaatctct ctcattattg gtctgatcag actttccatt tcttcatgat 120
tcaatcttgg taggttgtgt gtttcctcta gaaattggtc catttcttct aggttattaa 180
atttgtaggc atacaattct tcataatatt ctcttataat ccttttttatc tctgtcgtat 240
tggtagtaat gttccctctt tcatttctga ttgtagttat tgaatgttct ttttttttct 300

<210> 1516
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1516
aattccgttg ctgtcggtaa cttaaatact atcgtataat aatcatatca tataaaagtc 60
agtgcaactt acattacatg gtgagataag agagagaaga aaacaaaggt actgcttaat 120
atacacattc acacagacat attcataata aaataggagg aaatacttac aacaattaca 180
atcctcattt ctgtagctgt tcacatggtc gtggctggta tttataatta ctttgtctac 240
tatccaatct gtattccccct tcccttcaga aagcgcctca gctgggcatg gacccttacc 300

<210> 1517
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1517
aattcgttgc tgtcgcccgg atgaagaggt gagctcccct tcgccccctc agcgagccca 60
gcgtggggac cactcttccc gggagcaagg ccacgcccct gggggcactt ctcaggccag 120
acagattgat ttcccgctgc ggatcctggt ccccacccag tttgttggtg ccatcatcgg 180
aaaggagggc ttgaccataa agaacatcac taagcagacc cagtcccggg tagatatcca 240
tagaaaagag aactctggag ctgcagagaa gcctgtcacc atccatgcca ccccagaggg 300

<210> 1518
<211> 129
<212> DNA
<213> Homo sapiens

<400> 1518
aattccgttg ctgtcggggg attttgtggg accgctgccc acagatccag gtgttggaag 60
ggcagcgggt aaggttccca agccagaccc aacaccctta ccacttggca cccagagggg 120
gctgcacct 129

<210> 1519
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1519
aattccgttg ctgtcgatac tctggtgacc agtggagtgt acgcttggtt tcggcatcct 60
tcttacgtcg ggtggtttta ctggagtatt ggaactcagg tgatgctgtg taaccccatc 120
tgcggcgtca gctatgccct gacagtgtgg cgattcttcc gcgatcgaac agaagaagaa 180
gaaatctcac taattcactt ttttggagag gagtacctgg agtataagaa gagggtgccc 240
acgggcctgc ctttcataaa gggggtcaag gtggacctgt gacgggcagt ggccccggtg 300

<210> 1520
<211> 296
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(296)
<223> n = A,T,C or G

<400> 1520
aattccgttg ctgtcgagag gagaacaaac tggttgctga agccatggtt tccctgggaa 60
gggggaccca cctgtgcggc acctggaatt cagaggaagg gctcncatnc ttgtgggnaa 120
atgannaaca tggccattan nantgctggn atngngnang cncncntatc tngacagnna 180
ctangnatnc naggnngact ttnctgaata tgnngnannn nntttacnnn tccctnntgn 240
ntgntacctg ngtgcggntn ctntgacaan ctggtgcntn antncattcc gaatca 296

<210> 1521
<211> 283
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(283)
<223> n = A,T,C or G

<400> 1521
aattccgttg ctgtcgtgaa cttttggctg aacctcatca ctcgaactcc agcttcaaga 60
atgtgttttc atgcccggcc tttgttcctc cataaatgtg tcctttagtt tcaaacagat 120
ctttatagtt cgtgcttcat aagccaattn ttattattat ttttggggna ctntncttcg 180
gaagattgcc ntgaagnntn nnnnaattaa nagngacttt ngnanaanac tnnnattann 240
tangtnncnn nacntnanna anattnnang antttgagga gtt 283

<210> 1522
<211> 292
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(292)
<223> n = A,T,C or G

<400> 1522
aattccgttg ctgtcggctg ggctgaccac gttactcatc cccgttaaca ttctctctaa 60
agagcctcgt tcatttccaa agcagttaag gaatgggaac cagagtgttt taggacctga 120
agaatcttta tgactctctc tctttcactc ttttttttt ngccnntann tnaaanncaa 180
agngnnngtt tnancgtttt ngtnntcntc gggcccccnng ttncannnan gggncaaang 240
ntttggntnt aagncnatcc cnccntnaan ttnggggacn aattttaatt cc 292

<210> 1523
<211> 269
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(269)
<223> n = A,T,C or G

<400> 1523
ccggaatacc tctactcggt cattttgcag gancccatng attcgaattc cgttgctgtc 60
gattgtcagt ttgatattta ttttaaattg tggaactaga tgcataaatt cacatttctg 120
cctttccttt gcatcttctc atatattgtg ttttttttt tttcccnaaa aaaanantta 180
aanncattnt tnancngnaa aaaccnnnnn tntntgtanc ccangantta nncccggncn 240
nanngnannn atnttaatgt anaatttta 269

<210> 1524
<211> 265
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(265)
<223> n = A,T,C or G

<400> 1524
aattccgttg ctgtcgagga gatgcagttc ttaatgaagc tgctcaaatt ctgcgattgc 60
tgcacataga ggagctcaga gagctacaga caaaaatcaa cgaagccata gtagctgttc 120
aggcaattat tgctgatcca aagtnanacc acagactgtn aaaagttgga cgatnagtac 180
ntgatgnnnt cngntaggta ncnnnnancta ttatgncnan ctacanagnc tcggngccnn 240
gcagngctnn ntncctnnat tcttg 265

<210> 1525
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1525
aattccgttg ctgtcggtcc agtgccaaga gggcccggca agaagaagtg acaatgaagt 60
cttttcttgc ggacactccc tcctgtctcc tatttttctgt aaataatttt ctccttttt 120
ctctcttgat gctcaccacc acctttttgcc cccttctgtc tgactttata agagacagga 180
tttggattct tcagaaatta caggaataat catttttcct tacccagttg tggcaagggc 240
caggcaccac ccatctaatg atgaagaagg acctaaaatt tggtttgcta atacccaact 300

<210> 1526
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1526
aattccgttg ctgtcgatga gaataaagtt agaatgagaa tgttcctagc atggtgcctg 60
gcatgagcag attctcagca gatgggccct cctgtaatcc gctgagggct ctcctgcagt 120
gccagcaggg atcctagtca ttgtctccac cactcctgtc tgtcttcacc cagaaccttg 180
tctggatcct gggaggaagc aaacatctcc tggtgggaat gtgaggccct gccaggttgt 240
aggagtaact ggaaaagggc aggtggccct gcccactatg tgggcacctc atgataaatg 300

<210> 1527
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1527
aattccgttg ctgtcggaaa atattattat gttagtttta gcgtggaaat tggaggctga 60
aagcatggga ttttttacca aggaagaatg gttaaaggga atgacttcat tacagtgtga 120
ctgcacagaa aagttacaaa acaaatttga ctttttgcgc tcacagttga atgatatttc 180
gtcatttaag aatatctaca gatatgcctt tgattttgca agggataaag atcagagaag 240
ccttgatatt gatactgcta aatctatgtt agctcttctg cttgggagga catggccact 300

<210> 1528
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 1528
aattccgttg ctgtcggaac tgggttaggt gccgctgttg ctgctcgtgt tgaatctaga 60
accgtagcca gacatgggac tggaggacga gcaaaagatg cttaccgaat ccggagatcc 120
tgaggaggag gaagaggaag aggaggaata aanggtaana actggnttac anntgctttn 180
atatgangaa tcaaaggcna nancnctntg aggtagtntt acctnnacct gcgntntnct 240
atgntctttt antgctgngt tgaanggtnt nannatnnnt ananatnnna aanccagctg 300

<210> 1529
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1529
aattccgttg ctgtcgaaaa gccttaatgg ccatgaataa cctgagtgag aattatgaaa 60
atcagggccg gcttcaggtg tacatgaata aagtgatgga tgatatcatg gcctctaacc 120
tgaactcagc agttcaagta gttggactaa aatttctaac aaacatgact attactaatg 180
actaccaaca cctgcttgtc aattccattg caaacttttt ccgtttgcta tctcagggag 240
gtggaaaaat caaggttgag attttgaaaa tcctttcgaa ttttgctgaa aatccagata 300

<210> 1530
<211> 261
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(261)
<223> n = A,T,C or G

<400> 1530
aattccgttg ctgtcgggac actttgtgat ttccattaag gccaactgca ttgactccac 60
agcctcagcc gaggccgtgt ttgcctccga agtgaaaaag atgcaacagg agaacatgaa 120
gccgcaggag cagttgaccc ttgagccata tgaaagagac catgccgtgg attnatngat 180
atgnatnnta anannannnn gtnnnttaan naaagttcnn ntanatnatn atnttaatcn 240
gnnattannn aanntntgng c 261

<210> 1531
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1531
aattccgttg ctgtcgccaa gtccatgcgc tccatgaatg gctcgcggcg gaacagtggc 60
tcctcgctag tgtccagctc ctcggcctcc tccaacctga gccacctgga ggaggacacg 120
tggatcctgt ggggccggat cgccaacgag tgggaggagt ggcggcgcag gaaggagaag 180
ctgctcaagg agctgatccg caagggcatc ccccaccact tccgggccat cgtgtggcag 240
cttctgtgca gcgccacgga catgcccgtc aagaaccagt actccgagct gctcaagatg 300

<210> 1532
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1532
aattccgttg ctgtcggagc aattaaattc attgtctcag ttcaagagtg aatatagcaa 60
cttatgtgaa cctgagcagt ttgtggttgt gatgagcaat gtgaagagac tacggccacg 120
gctcagtgct attctcttta agcttcagtt tgaagagcag gtgaacaaca tcaaacctga 180
catcatggct gtcagtactg cctgcgaaga gataaagaag agcaaaagct ttagcaagtt 240
gctggaactt gtattgctaa tgggaaacta catgaatgct ggctcccgga atgctcaaac 300

<210> 1533
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1533
aattccgttg ctgtcggccg gaaccacgag gagagcagtg agaccatgaa tgacttgctg 60
gcccaggtgg ccactaacac ggacaccagc cgaaatgccg gaaatgcggt cctgtttgag 120
acagtactca ccatcatgga tatccgctct gcagctggcc tacgggttct agctgtcaac 180
attcttggtc gcttcctact caacagtgac aggaacatta ggtatgtagc cctgacatca 240
ctgcttcgac tggtgcagtc tgatcacagt gctgtgcagc ggcatcggcc cactgtggtg 300

<210> 1534
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1534
aattccgttg ctgtcgaaaa taaagaggaa agccttttgg aaaagcgcag gcagctgtct 60
cgtgatattg gtagattgaa agaaacatat gaagctctat tagccagatt tcccaatctt 120
cgatttgcat acaaggatcc agagaagaac tggaatagaa attgtgtgaa aggacttgtg 180
gcttctctga ttagtgtgaa agacacttct gcaaccacag ctttagaatt agtggctgga 240
gaacgactct acaatgttgt agtagacaca gaagttactg gtaaaaagct actagaaagg 300

<210> 1535
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1535
aattccgttg ctgtcggttc tgcattagca tctgctggtg atcctggaca tccaaatcat 60
cctcttcacg cttctcagaa ttcagcgaga agagagagga tgactgcgcg agaagaagct 120
agcttacgaa cacttgaagg cagacgacgt gccaccttgc ttagcgcccg tcaaggaatg 180
atgtctgcac gaggagactt cctaaattat gctctgtctc taatgcggtc tcataatgat 240

gagcattctg atgttcttcc agttttggat gtttgctcat tgaagcatgt ggcatatgtt 300

<210> 1536
<211> 242
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(242)
<223> n = A,T,C or G

<400> 1536
aattccgttg ctgtcgattt tattttgatc cttgttaaat ttttatttta attaataagg 60
tagtcattcc tgtagaggga taagatgctt gtagagttgt gggtatcatt ccaaatagaa 120
ctgttatgat ttgggaaata ttctttacta caaaggactt atttcataat tacaaatttt 180
ccttcatatt tgcctttgnn nataanannt nnaggaanga cattntntag cantannagg 240
aa 242

<210> 1537
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1537
aattccgttg ctgtcggtgt gtgtgtgtgt gtgtgtgtgt gtgtatggag atgctgaaag 60
agcattgata aaattctaga ctttcctaac aataacccca agtaaaacaa gaatagaaga 120
aattgctaat gttataaaga ctacttgtat aaaactaatg tctaaatagg gaagcactaa 180
agccatttcc tttagaatca gaaacaaaac aagaatgcac attatcatca ttattattca 240
acattgtttt agaaattcta gagactgcaa tacacaagaa atgaaatatt gggtatgaat 300

<210> 1538
<211> 260
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(260)
<223> n = A,T,C or G

<400> 1538
aattccgttg ctgtcggaaa tgcaaggggc tgcatgacct accaggacag aactttcccc 60
aattacaggg tgactcacag ccgcattggt gactcacttc aatgtgtcat ttccggctgc 120
tgtgtgtgag cagtggacac gtgaggggga ggtgtgggag ggttnnagtc tgcnnggntn 180
ntgctcnnta cntnncnntn ctnctttnct aaccgncnna tnnnngcnca tgnagantnt 240
ntanngcact ttnctnngtc 260

<210> 1539
<211> 284
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(284)
<223> n = A,T,C or G

<400> 1539
aattccgttg ctgtcgaaaa tgcccagtca ggtctgaatc gtcagtgcat tatattgact 60
ctgagcactt tagaatttag agttgcaatt gaatgccagc tgtggagatg gggtgcatat 120
cagatatata aataaagctc angtttgttn nggaaccnng tattnnnaaa nntnctttng 180
anntnttnnt nnttnnantn tntanagnna tnnctttntt tntaaanntt nnntnnaggg 240
nnatantngn nnttttgtnn atananncnn nanacctgtt tttt 284

<210> 1540
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1540
aattccgttg ctgtcgcgca ctccctcttt ctctcttttc ctgtatcttt ccctttaat 60
ttgctatagg aaaaacttaa acatgagtga gcaaagagga ggatgcaact gaatattttt 120
ggaaatgtgg atatcatata agggcttgga agatcaacac tgggatgatg atgagcagaa 180
tggtcatgaa gatgcccaaa atcagggccc agatgttcag gcacttggcg gtggaggcat 240
aggcctgggc gccagtcagg tcgccaacca tcttcctgtg cctagacttc acggagtaag 300

<210> 1541
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1541
aattccgttg ctgtcgggca cgtcctcgtg tatcctgtgg aggaccctga ccccgcaccc 60
caccctcgag gccagaaatc ggttgcctct ggggacctga gaagcgagac cactcgcgcc 120
cctgacttgc aagttggggt ctttattggc ctccgggatt ctgctcgtgg cggtttctcc 180
aggctggtga tgggcaagcc gggtgtacca agtccaggat gcacatgagg agccgtttgt 240
aaccgcactg aatcacctca tgactagcgg ggcaggcctc taattcaccg caggaatttc 300

<210> 1542
<211> 265
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(265)
<223> n = A,T,C or G

<400> 1542
aattccgttg ctgtcggatt ctccccctct tgaaaaaaaa tcgatttttc aggatttaat 60
taatacaaac cttattttag gttggtgctt aactggaggt gatgcataag tctgattttt 120
ttttccaaga tagaaaaagc atttatccta acaaattggt atttttttata agcctccatg 180
tggctctgaa tgcaagctat atatagtgag tttttctaaa ttaagggaac tctgcttttt 240
ttttttttnt ttaaanaanc gggnc 265

<210> 1543
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1543
aattccgttg ctgtcggtgg aggggcccgt tcgaagagtc gtgaggggtt gacgggttaa 60
gattcggaga gagaggtgct agtggctgga cttgacctgg aaagaatctt ctgctgactc 120
tcaacttttc ctggaaaaaa tggatcattc ccaccatatg gggatgaagc tatatggact 180
ccacagtacc atgcaccttt tcaccatacc ccacccccttc accttacact cccatggggg 240

aaggagacag cagcatgatg atgatgccta tgacctctac ttggctttaa gaatgtggac 300

<210> 1544
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 1544
aattccgttg ctgtcggaat atgatacttt ggaggggaaa tgcttggcgt gtgtacaagt 60
atgaggagac caacttacac aacccatcaa atacttatgc tcctcatagc caaggaggta 120
ttccacctcc tgctggaatg taattaaagg gagaaacaca ctgtatgaaa tatatgtcta 180
tatcatgact tgttgccaac atcttgaggc acattatttg tttccaataa aagtaatgtt 240
ttttttttt aanccccan tgagatatca cctcacaccc atcagantgg ctactgtaaa 300

<210> 1545
<211> 267
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(267)
<223> n = A,T,C or G

<400> 1545
aattccgttg ctgtcggttt ccactattga cactgcccgg ctgattcaag cttttggcca 60
tgaaagagta tgcttgtcac ccagacgaat taaattatat agcagcatca ccaaccaaca 120
gaggagatac cttgagaagc ggagcaaaca cagcaagaaa gtgntgaaga ctggncantc 180
ccctatngac ttntgatcac accagaangn atcncattca agnancnnnc catntatant 240
tnnccttacn ntaannnnnt nnctngc 267

<210> 1546
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1546
aattccgttg ctgtcgggag taccgggatt ctgatggaac ctcatctgtt tgaattacta 60
gcccagaggg tcatcactct ttacctgcaa acagtacctt ctctgatgtc tgggagaggt 120
ggtttatttc ccatatactt gttaagtgta gatcttgggg aagaacaact aacaccagaa 180
acatcacatg ttggctgttg gggaggtgct tgtccatttt gtatcccttt tatttttcc 240
caatcaacag agatccagtt agaaggagca gcaagacctt ccaggaggcc atgctggaag 300

<210> 1547
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1547
aattccgttg ctgtcgcagt gagcgggtct gggcggctgc tggcagcgcc atggagacgg 60
tacagctgag gaacccgccg cgccggcagc tgaaaaagtt ggatgaagat agtttaacca 120
aacaaccaga agaagtattt gatgtcttag agaaacttgg agaaggatta ctgtagatgc 180
agtatatgga atcaggaatc ttaacttcat gtgagctatt ggagtttcct ttgctatcag 240

gatcataagg gagggtctat gcagcgtata caagctattc ttaaggagac cggccagatt 300

<210> 1548
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1548
aattccgttg ctgtcggttc tgttttgttt ttggtttctc ccttgtgtca gttctcttct 60
ggcccagctg ggtggctgtg gaagtctgtg aggtggccca accacaagca tacctattaa 120
gagaagccca gagcttccag cccccacttc gaaaactctc tctggcccac atagcaaact 180
ccttcttccg tatttttccc aaccccagaa ttttttaaa aaggccactt tgccggaacc 240
ttctttgggc cattttggtt tccaatcaag cccaaggtta tatgaataaa gggggttaac 300

<210> 1549
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1549
aattccgttg ctgtcgagca ctctatgttc gttatctcat ttgctctaag tatgtaaata 60
gggaactgat gaataaaaag gtgagtgaaa tgacttggtc acaaaaaaag tgataaaaat 120
ggggattaca gttcagtttc attgactctt agaatttttt ctccttctcc ccagctttc 180
attttgaaaa aattcctaac atacagtaaa gaacagaaca acaagcacct agattaaata 240
gtcattaatg ttttgccata gttgcttgat ttttctttct acacacacac acacacacac 300

<210> 1550
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1550
aattccgttg ctgtcgcttt tacggaatta agcagagaaa atgatgaaga gaaagtcacg 60
tttaatttga gtaaaggagc atgtagctca tccggagcaa catcttccaa gtcaagtact 120
ctgggaccga gtgcactgaa gacgatagga agttcagcat cagtgaaacg aaaagaatct 180
tcccagagct caactcagtc taaagaaaag aagaaaaaga aatctgcact ggatgaaatc 240
atggagattg aagaggaaaa gaaaagaact gcccgaacag actactggct acagcctgaa 300

<210> 1551
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 1551
aattccggtg ctgtcgagcc tctagacatt gcggccgcta tctacgtaga tccagacatg 60
ataagatata ttgatgagtt tggacaaacc acagctagaa tgcagtgaac aaaatgcttt 120
atttgtgaaa tttgtgatgc tattgcttta tttgtaacca ttataagctg caataaacaa 180
gttaacaaca acaattgcat tcattttatg tttcaggttc agggggaggt gtgggaggct 240
ctnatgtcca ccagnagttg ttcnacccct cnccangtnc caggtgggat cacctgatac 300

<210> 1552
<211> 244
<212> DNA

<213> Homo sapiens

<400> 1552
aattcaaggc ctctcgagcc tctagacatt gcggccgcta tctacgtaga tccagacatg 60
ataagataca ttgatgagtt tggacaaacc acaactagaa tgcagtgaaa aaaatgcttt 120
atttgtgaaa tttgtgatgc tattgcttta tttgtaacca ttataagctg caataaacaa 180
gttaacaaca acaattgcat tcattttatg tttcaggttc agggggaggt gtggggaagg 240
ttta 244

<210> 1553
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1553
aattccgttg ctgtcgggta gaaatgggtc catttaaaca tacggttgat gatggtctgg 60
atattagaaa ggcagcattt gagtgtatgt acacacttct agacagttgt cttgatagac 120
ttgatatctt tgaatttcta aatcatgttg aagatggttt gaaggaccat tatgatatta 180
agatgctgac atttttaatg ttggtgagac tgtctaccct ttgtccaagt gcagtactgc 240
agaggttgga ccgacttgtt gagccattac gtgcaacatg tacaactaag gtaaaggcaa 300

<210> 1554
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1554
aattccgttg ctgtcggcct tgttacagca aatactatcg atcagaaaat tgtggaaaga 60
gcagctgcta aaaggaaact ggaaaagttg atcatccata aaaatcattt caaaggtggt 120
cagtctggat taaatctgtc taagaatttc ttagatccta aggaattaat ggaattatta 180
aaatctagag attatgaaag ggaaataaaa ggatcaagag agaaggtcat tagtgataaa 240
gatctagagt tgttgttaga tcgaagtgat cttattgatc aaatgaatgc ttcaggacca 300

<210> 1555
<211> 299
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(299)
<223> n = A,T,C or G

<400> 1555
aattcaaggc ctctcgagcc tctagacatt gcggccgcta tctacgtaga tccagacatg 60
ataagataca ttgatgagtt tggacaaacc acaactagaa tgcagtgaaa aaaatgcttt 120
atttgtgaaa tttgtgatgc tattgcttta tttgtaacca ttataagctg caataaacaa 180
gttaacaaca acaattgcat tcattttatg tttcaggttc agggggaggt gtgggagntt 240
tcccntaatn taananctnn atgncnctag natgttacat gatgncnngn ncctgtgct 299

<210> 1556
<211> 291
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(291)

<223> n = A,T,C or G

<400> 1556
aattcaaggc ctctcgagcc tctagacatt gcggccgcta tctacgtaga tccagacatg 60
ataagataca ttgatgagtt tggacaaacc acaactagaa tgcagtgaaa aaaatgcttt 120
atttgtgaaa tttgtgatgc tattgcttta tttgtaacca ttataagctg caataaacaa 180
gttaacaaca acaattgcat tcattttatg tttcaggttc aggggggaggt gtgggaggnt 240
ttgnccccct ntggcctttc ctancancct tcnaacctna cnnnacacct c 291

<210> 1557
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 1557
aattccggcc tgtcgagcct ctagacattg cggccgctat ctacgtagat ccagacatga 60
taagatacat tgatgagttt ggacaaacca caactagaat gcagtgaaaa aaatgcttta 120
tttgtgaaat ttgtgatgct attgctttat ttgtaaccat tataagctgc aataaacaag 180
ttaacaacaa caattgcatt cattttatgt ttcaggttca gggggaggtg tgggagggtt 240
ttacaatgtc cgctccatgc ccatccgcaa ggacgacnag gccaggtagn tcnaggacac 300

<210> 1558
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 1558
aattcaaggc ctctcgagcc tctagacatt gcggcccgct atctacgtag atccagacat 60
gataagatac attgatgagt ttggacaaac cacaactaga atgcagtgaa aaaaatgctt 120
tatttgtgaa atttgtgatg ctattgcttt atttgtaacc attataagct gcaataaaca 180
agttaacaac aacaattgca ttcattttat gtttcaggtt caggggggagg tgtgggaggt 240
tttantncta gnnanatntt gnanatnatt nctttttaatc nnngnattnt aattacatgt 300

<210> 1559
<211> 291
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(291)
<223> n = A,T,C or G

<400> 1559
aattcaaggc ctctcgagcc tctagacatt gcggccgcta tctacgtaga tccagacatg 60
ataagataca ttgatgagtt tggacaaacc acaactagaa tgcagtgaaa aaaatgcttt 120
atttgtgaaa tttgtgatgc tattgcttta tttgtaacca ttataagctg caataaacaa 180
gttaacaaca acaattgcat tcattttatg tttcaggttc aggggggaggt gtgggaggtt 240

ttaancangn tcttgatgaa tgtgctttgt gccaaaatgc ctncccattg t 291

<210> 1560
<211> 297
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(297)
<223> n = A,T,C or G

<400> 1560
aattccgggc tgtcgagcct ctagacattg cggcccgcta tctacgtaga tccagacatg 60
ataagataca ttgatgagtt tggacaaacc acaactagaa tgcagtgaaa aaaatgcttt 120
atttgtgaaa tttgtgatgc tattgcttta tttgtaacca ttataagctg caataaacaa 180
gttaacaaca acaattgcat tcattttatg tttcaggttc agggggaggt gtggnaggtt 240
tttctggaca gttcacgctg ncaatgaaat gngacctatg ntatccattg tcctgga 297

<210> 1561
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1561
aattccgttg ctgtcggttg gttcgtcaca aggcatcgca gaaggtttat gctatgaagc 60
ttcttagtaa gtttgaaatg ataaaaagat cagattctgc ctttttttgg gaagaaagag 120
atattatggc ctttgccaat agcccctggg tggttcagct tttttatgcc tttcaagatg 180
ataggtatct gtacatggta atggagtaca tgcctggtgg agaccttgta aaccttatga 240
gtaattatga tgtgcctgaa aaatgggcca aattttacac tgctgaagtt gctcttgctc 300

<210> 1562
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1562
aattccgttg ctgtcgctgt cagccacaat gccttctgat gtgcttgagg tgaccaagaa 60
gttcatgagg gaccccattc ggattcttgt caagaaggaa gagttgaccc tggagggtat 120
ccgccagttc tacatcaacg tggaacgaga ggtggggccc agtgcaggag gcgggcctgg 180
tagtgagttg ttgggtatag cccctgactg atttttgtcc cccaacctcc aggagtggaa 240
gctggacaca ctatgtgact tgtatgaaac cctgaccatc acccaggcag tcatcttcat 300

<210> 1563
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1563
aattccgttg ctgtcgggcc ctgtcctgaa ccagatgaga aactttggga tcctgtcggt 60
tactactatt cagatggctc ccttaagata gtacctgggc atgcccggtg ccagcccggt 120
gggggggcccc cttcgccacc tccaggcatc ccaggccagc ctctgccttc tccaactcgg 180
cttcacctgg ggggtgggcg gaactcaaat gccaatggtt acgtgcgctt acaactagga 240
ggggaggacc ggggagggct cgggcacccc ctgcctgagc tcgcggatga actgagacgc 300

<210> 1564
<211> 300
<212> DNA

<213> Homo sapiens

<400> 1564
aattccgttg ctgtcgaaat ttttgaaggt cttggcccaa aagttgaact gccactgtat 60
aaccagccat cagataccaa ggtgtaccat gagaacatca agacaaacca ggtgatgagg 120
aaaaaactca ttttatttttt taaaagaaga aatcatgcaa gaaaacaaag ggaacaaaaa 180
atctgccagc gttatgatca gctcatggag gcatgggaga aaaaagtgga cagaatagaa 240
aataatcctc ggaggaaagc taaagaaagc aaaaccaggg aatactatta aaaagcagtt 300

<210> 1565
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1565
aattccgttg ctgtcggatg ctcagagtgt agtggatatt tatgtaaact atgactgtga 60
cttaaatgca gccaatatat ttgaaagact agtaaatgat ctatcaaaaa ttgctcaagg 120
aaggggcagt caagaacttg gtatgagtaa tgttcaggaa ttgagcctga ggaaaaaagg 180
tttagaatgc ttagtgtcga ttttgaagtg tatggttgaa tggagtaagg atcagtatgt 240
gaatcccaac tcccagacaa ctcttggtca ggaaaaaccc tcagagcaag agatgagtga 300

<210> 1566
<211> 1076
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1076)
<223> n = A,T,C or G

<400> 1566
cncangttnt ngaaaacccc ctttttgggn aaaaaactcc ccccnggtnt nctttttttt 60
tggncaaggg gaatacncca ancccgcaat ttccngnana ggtnnagggg ggnangggan 120
ggcaggggaa nngagnccgg ggcttggcnt ncngaaaacc ngnantttttt tgtgggacgg 180
gggggagggc ncngggggga ccggaataaa agcngggggn tgggggaaaa ggnaantngg 240
ttttcaaagg ggaatccaaa aacggggcgn aatggttaga ngggnggacc ctnggnccct 300
gggggggaagn gnnacnngaa tttgnaaagg ganggnnnaa atcnnngggaa ngtcccngga 360
anaacgggga naaggggggcc cangagggan gggctcccca agnggatttt ttaacggaca 420
catggaacga agnaaggttt gtnnggaggg ctcnaaaatg ngccngggaa nggggcnntc 480
cangnggggn gggtanngta acannntcnc ggacaanatg ggnggccact nantngaaaa 540
nnaatcttgt tgctattaaa aaataaagct gacccancgg gngaagtngc tnaatgggga 600
atgcaaantn nttgaggggn ccngggngac gnnactaaat tgnggtcaaa ttnttgaana 660
nacggnnaat gggngaantg gcaagtgann gnaacctant actcaangan nttttattga 720
tnggnnagan ggagnaagac cttgggaaga anccnncttg gggcttatga aacggggaat 780
aaaatagggg gnaangtggc natccntttc ttggggacan gggaacttgc tcaggggggа 840
aanggaacat ggaggcgggg nggcgcaagg gncctgctca atngngttct taatgnnanc 900
cttgncttaa aanggagant aangngaaan aagtgggggn nattgttggn naantntatt 960
tgggggggaat antgggcacg ggctnaataa ataanngcnc gnaggcccat aangggaggc 1020
cncnangggn accccntgga nnattgggca gangnanctt tntnannnag gttaan 1076

<210> 1567
<211> 745
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

09/25/2003 15:50 FAX 650 845 6339 GENENTECH

<222> (1)...(745)
<223> n = A,T,C or G

<400> 1567
cttggctttt tgcaggatcc catcgattcg aattcggcac gagcagagct tagacatcca 60
aaactaatca atgctgaggt ggctaaatac ctagcctttt acatgtaaac ctgtctgcaa 120
aattagcttt tttaaaaaaa aaaaaaattg ggggggttaa tttatcattc agaaatcttg 180
cattttcaaa aattcagtgc aagcgccagg cgatttgtgt ctaaggatac gattttgaac 240
catatgggca gtgtcaaaat atgaaacaac tgtttccaca cttgcacctg atcaagagca 300
gtgcttctcc atttgttttg cagagaaatg tttttcattt cccgtgtgtt tccatttcct 360
tctgaaattc tgatttttatc catttttttaa ggctcctctt tatctccttt cttaaggcac 420
tgttgctatg gcacttttct ataacctttt cattcctgtg tacagtagct taaaattgca 480
gtgattgagc ataacctact tgtttgnata aattattgaa atccatttgc accctgtaag 540
aatggactta aaagtactgc tggacaggca tgtgtgctca aaggacattg attgctcaaa 600
ttttaaggaa atgggnccaa tgaaccgtng gttgtgggga aggggaaaga ngaaaccnga 660
gcttggtcan aatgtggaaa tnggatctgg tggnaataaa catgtttaaa accaanccnn 720
nnnnanaaaa aaaagncctt tttta 745

<210> 1568
<211> 674
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(674)
<223> n = A,T,C or G

<400> 1568
acgaggctgc atctgnnnnn aggatgccac cctacgctgc gctggctgcg atggggacct 60
cttctgtgcc cgctgcttcc ggtgggtgca ggtggaatgt tctgtgcgag agctcaaggg 120
ctgcctggat ccctgacttg tatccctttg ttccacagag agggccatga tgcctttgag 180
cttaaagagc nccagacatc tgcctactct cctccacgtg caggccaaga gcactgaaga 240
caccctggtc ctcccggaag ggcagtccca caggcagcgg cacccatttc tgggccccgc 300
cacaggacgt ccgatgggag agcttgtctg gctctactga tgatggatag gccccttcct 360
gagccttggt gtccctggaa tgaggaaaga ttctccattc gagagaatga ctgggaggga 420
agaagtcggg gccctcctat tagaagccca gactggaagt gagaggcatg atggggagag 480
accagactga atctacgggt gagccctgta acctggctct agggcacang cccctccctg 540
gcacttantg ggtctaataa agtatgttga ttcattggga aaaaaaancc nntcntngnt 600
nnannnaana nncctccccc cccttaaaaa anttntnggg ggggnntttt ccctnanccc 660
nnanttnaaa aaan 674

<210> 1569
<211> 747
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(747)
<223> n = A,T,C or G

<400> 1569
gnnnnnnnnn nttnnanncn annncnnatc gantcgcacg agctgcatct gcaatgagga 60
tgccacccta cgctgcgctg gctgcgatgg ggacctcttc tgtgcccgct gcttccggtg 120
ggtgcaggtg gaatgttctg tgcgagagct caagggctgc ctggatccct gacttgtatc 180
cctttgttcc acagagaggg ccatgatgcc tttgagctta aagagcacca gacatctgcc 240
tactctcctc cacgtgcagg ccaagagcac tgaagacacc ctggtcctcc cggaagggca 300

gtcccacagg cagcggcacc catttctggg ccccgccaca ggacgtccga tgggagagct 360
tgtctggctc tactgatgat ggataggccc cttcctgagc cttggtgtcc ctggaatgag 420
gaaagattct ccattcgaga gaatgactgg gagggaagaa gtcngggccc tcctattaga 480
agcccagact ggaagtgaga ggcatgatgg ggaaaagacc agactgaatc tacgggtgag 540
ccctgtaacc tggctctagg gcacagcccc tcccctggca cttantgggg tctaataaag 600
tatgttgatc attggganaa anannncncnn atcnncncnn cnnncncect ccccntnaaa 660
actttggggg ccntttcntc aacccccnct ttaaaanacn ttgnngttnn nnaccccctc 720
ttanntnnnn nnnttnctct cccnccn 747

<210> 1570
<211> 754
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(754)
<223> n = A,T,C or G

<400> 1570
gnggnnnttn nnnnnnnngn nngnnnnnng ngngnnnntt ctaatgcttc caacagncnc 60
nggggctcga actcgctcca cgcagccngg cngtgngaat tcggcacgag gacngcacac 120
ntcacggggt gccctcccaa cnctncgcat gcgagacccn gngccaatat cgggggggntc 180
aatgaccann ngggctcagc atgganaaac agngccctgc ctgaagggca gnnagaatca 240
aaaggatctt acccctngta tcangagggn ggctatgctc cctccatncc aagnngagcc 300
cnggactaga aagcacgatg ncgncnnaca tctactgnna ncgcctaaac anaatccctn 360
ctccntgang ggcnaaacgn cctcatcccn aatncaacan tgggcnngaa ngactgaaaa 420
tcgccggaac tcancaccat gatcggaccg ggacantcag accctntcct gccncancna 480
ncgncnatcg atccgaaaag tgnanntatn agcacaacna cggggganggc atanggaccc 540
tgcnagaaag aacnngcncn nnctcncnng gactgccatg aaggntagcn gcctaaaatc 600
nnnncctgac actcggaggn ccgccacaan nngnnnaagn nanggcnnga cgnnacactg 660
gntgaaaaaa annnngnngn nncnnggnaa acccnngccc nnnnnacnnn nnngngncgn 720
annccnngcc cccnnnnacg atnggnnccc nngc 754

<210> 1571
<211> 761
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(761)
<223> n = A,T,C or G

<400> 1571
ttaatanatc cttgtattgg cngatccatc gattcgggcg aaaatcgaaa tcaagttatc 60
cgatattcca gaaggcaaga acatggcttt caaatggaga ggcaaacccc tgtttgtgcg 120
tcatagaacc cagaaggaaa ttgagcagga agctgcagtt gaattatcac agttgaggga 180
cccacagcat gatctagatc gagtaaagaa acctatcang ataacccatt caggtttctt 240
tactcgatct agatcatgta aagaaacctg aatgggttat cctgataggt gtttgcactc 300
atcttggctg tgtacccatt gcaaatgcag gagattttgg tggttattac tgcccttgcc 360
atgggtcaca ctatgatgca tctggcagga tcagattggg tcctgctcct ctcaaccttg 420
aagtccccac gtatgagttc accagtgacg atatggtgat tgttggttaa gagacttgga 480
ctcaagtcnt aggcttcttt cagtctttat gtcacctnag gagacttatt tgagangaac 540
cttctgtact tgaagttgat ttganatatg taagaattga tgatgtattt gcaancatta 600
atgtgaataa attgaattta atggntgaat actttcaggc attcacttaa taaagacact 660
ggttaaccac tgntatgctc aatcataccc nctaaaaggt acaaatggcc tttttaccta 720
atnctaattn aaaaattncc ngactggngg taaaaaaaaa a 761

<210> 1572
<211> 712
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(712)
<223> n = A,T,C or G

<400> 1572
agnttcgaat tcngccgagg ttacatcaag agataaatag agtgaagcag aactagtggt 60
gcggaccagc tcgccagcaa cagaagggtt tgtagtcggc ctggcagtgg acagggaggt 120
tggctagaac tattaccttа ggtccgtgat aatatccctg aatccaactt ttcagaaaga 180
aataggtaac atatttttca ccaggaagct tcacccagac actgaacaga atggtctcag 240
tgcactaatg gaggctcagt taaagggttg tggtagcaca aggaagagac attctgactt 300
ggaaatttgg agaaggcttc acaaatgaag gggcatttga aatgagcttt gaaggtgcaa 360
gagtattcca agttgagaag acaacctgag tggtgttggg tgaacagtca ttctacctgg 420
ctgtagtgta gtatagtgta gtgtagtgta ggaaacatca gaggagtgga gtgggatatg 480
agcctggaga gagctggcgg ccatggatca ttgaaagcct tgaatgtctg atggggaggt 540
tgactttatt ttgtaggcaa tggaaaccac catggttttt agttgagcag catgaaatta 600
agcctgtgct ttgcaaagat taatctanca ccaccagatt gaagccacac cccatttctg 660
gtataatcca gtaaatatat acactntttc tgtattggtc cataaaggct tt 712

<210> 1573
<211> 1259
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1259)
<223> n = A,T,C or G

<400> 1573
ttcnacnnnc aantnncnnn tcgtnttatn tancaangta ttnngnncan gntanntntc 60
atatgtnnaa aacnggnnnc gnttantant anacnctann nntanngana ngtncncttn 120
tanatctgtg ncaaatatat cgtnangtga actcanngnn nacacnacan atntnntngt 180
anacncannn ccagantnct tgaactntct nncacaanca tnnngaaana aatacntagt 240
nntnccaatt tattgatcgn antnngcacg agaaaacacc ntncatggca cctcgtttgg 300
nncaaataag gctatgtttt tgaaagtaac ctttccacaa gncaataaca gaagctatgg 360
tgaaatgtaa aaattcacaa ttctactttg tttcactgag tgcccaatca acgattcata 420
cagttgagat gaatgtgaca aaactctcta tagataaata tatattgcct aagtttatct 480
atatatatat gtctttgtgt gtaatattca tacacagata tattgcaana ganattaaat 540
antcttnctt acataaacca ncnntaggat cattntnnca gggaatatga ganttacacn 600
cataggntcc tatgantgga ncatnnagac atatnataaa cnntttanga aaagantang 660
ccattnnatn tctcctgatn tcatnaactt nannccncan tnanttcnca ncanctnntt 720
tncatctnct tangntngcn ctnannnnan tnncaattcn tagtatggac tctnntttnn 780
cgancagann gtntnncttca tntccnaatn tantatnanc taacanaatn tggnnatatn 840
ntgccatnta nntccgnaan acgcatatna tnncgtagna ccnacngtnt cacntntnct 900
cncttatcta ccacattgat cgtnntagca ncggtcgtta cantntntca tatacatcgn 960
anatctcgcn atntcnacat ataattanan nnnantatnn atgnnaangt nctctnatat 1020
gangtgcaca taattcatnc gagtncacgn tntanatnna catanantnt ctactgtttt 1080
annccgncat gtcagnatat gtttcgagnt cnctnnntca tcgannnacg ncgtgcntnt 1140
ctcacgtctn ttatcgnctn ntatcatgcn cnatttnntc ntctgtantc attntatgca 1200
tatanagtga cgnacnnatc tcnatcattt tcatattntt tnctcgttan canactncn 1259

<210> 1574

<211> 768
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(768)
<223> n = A,T,C or G

<400> 1574
gnnnnntttn agatcngctc tttcntatnt gcaggatccc tcgattcgaa ttcggcacga 60
ggtcccagga aattcctccc cttattcttc cttgaagtgc ccgagcatgt agggcaagaa 120
ggaaggctga agcgctgtcc ctaggaggaa tttctccttc aggggagcct cagttttgcc 180
catttatcta attgaatcag ttttttaccc aatcccccga ttttgtagga taatctccct 240
tatctaaagt caactgatta tggactttaa tcacatctac aaaacacttc catggcgaca 300
gctagatgag tgtttgaata actgggactg tagcccgtcc aagttgacac ataaaactga 360
ccatcgggcc gggggcggtg gctcacgcct gtaatcccaa cactttggga gcccgaggcg 420
ggcggatcac aaggtcagga gttcgagacc agcctggcca acacggtgaa accccgactc 480
tactaaaaat acaaaaaatt agcccgggtg tggtggcaca cacctgtagt cccagctact 540
cgggaggctg angcaggaga atcgtttgaa cctgggaggc agaagttgca gtgagccaag 600
atcacactat tgcacttcca ncctgggcga cagggcaaga actctgtctc aaaaaaaatt 660
aaaactgacc atctagtcct tggcatctgg gcacccttna aaaaaagcct tntagaacta 720
tagtgagtcg tatttacgta gatccagaca tgataagatc cattggtg 768

<210> 1575
<211> 752
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(752)
<223> n = A,T,C or G

<400> 1575
tcagctctnt ttatatatgc aggatcccat cgttgcnnnt tctgcacgat cgtatcanga 60
nattcctgcn cttattcttc cttgaagtgc ccgagcatgt agggcaagaa aggaaggctg 120
aagcgctgtc cctaggagga atttctcctt caggggagcc tcagttttgc ccatttatct 180
aattgaatca gtttttttacc caatcccccg attttgtagg gataatctcc cttatctaaa 240
gtcaactgat tatggacttt aatcacatct acaaaaacact tccatggcga cagctagatg 300
agtgtttgaa taactgggac tgtagcccgt ccaagttgac acataaaact gaccatcggg 360
ccgggggcgg tggctcacgc ctgtaatccc aacactttgg gagcccgagg cgggcggatc 420
acaaggtcag gagttcgaga ccagcctggc caacacggtg aaaccccgac tctactaaaa 480
atacaaaaaa ttagccgggt gtggtggcac acacctgtag tcccagctac tcgggaggct 540
gangcaggag aatcgtttga acctgggagg cagaggttgc agtgagccaa gatcacacta 600
ttgcacttca ncctgggcga cagggcaaga ctctgtctca aaaaaaaatt aaaaactgac 660
catctagtcc tttgcatctg ggcaccctna aaaaaaaagc ctttagaact atagtgagtc 720
gtattacgta gatccagact tgataagatn cn 752

<210> 1576
<211> 767
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(767)
<223> n = A,T,C or G

<400> 1576

gaattcgnnn ncagacaaga aaaatgattc aaaaaantnt tgagccactt ttggataagg 60
aatcaatttt ttagaatcct actttggatt taccttgttc tatagggaga actgagggaa 120
ctgcacattc atccagtacc tcagatgtgg atttcacggg tgcttccagt gcaaaagaaa 180
ctacctcgtc tagcatttcc aggcattatg gattatctga ctccagaaaa agacgcgtac 240
aggaagatct tggcctgctg caataccaca tttgcggaga agaagaggtc gtcttccaag 300
aagagcactc cagactcaga actcagaaat tgtaaaagat gatgaaggca aagaagatta 360
tcagtttgat gaactcaaca cagagattct gaataactta ncacgatcag gagttncaac 420
tcaatcatct aaagaactcc attaccaagt tattttggtg ctgcaggtag aatagcatgt 480
ggcgaaaaat cccgagtttt ggcacgtcgg gtgacacttg atggaaaggt gcagtntctt 540
gtggaatggg gaaaggacca actgcatcct gactgtaagg acngaacatt atgttccact 600
gcactctgat tttctgtang gtaccagttc caaaccccta aaggagccnn ggcttntact 660
atttttnttt taaaancaan antncncacc ncnctttncc ccntatntcc nntcnnnccc 720
ccnnnttccn ntcccccttc cctnctnctn ctctncccca acnccen 767

<210> 1577
<211> 1000
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1000)
<223> n = A,T,C or G

<400> 1577

annnctntnc nnacatcngn nnnntcnnct nattcaaanc cttttcaatn tcnctnacgn 60
ntcataatna ttnnnnnncn nnnnccnatn ttnttnnatc anntnttttt natatnanca 120
tattnttaca atnccttatt anannaatnt ntntntccnt nctttanaac ancntcntcc 180
nannaanttc nnntatttta attncctcnn acccnaccta ttncnattca anatntancn 240
aattnntanc tnnnnaatnt actaaacnca nacncatnac cactantacc tnnaatntac 300
atcannctat ttnntantcc cttatannct ancnttctta tcatantacn nctatntatt 360
ctactcttna ncatatctca nctcatcncn ncnaccntct atatntattt tnnttcncat 420
aaaattctta ttcttcaanc annaaaatca catttnattn cactatctca ataaaaantn 480
nnactccntc naatcctctc taacaatnat tacattacat atnaattaaa ntcantctnc 540
tnattcanaa tcatctattc ntcccactat aantatntcn tcttcantta tantantntn 600
nnattcnttc catttattan tctcantaca tactanatnt anctatcntc cnttccttaa 660
ctcnctactn cnnatanaat anaannttca aattcantaa tacantcata annctaaaan 720
acaaataatn taanttatan tcccacacca ctnanccnta taantattcn tntatattct 780
aatcatncnt ntattcttcn acnttttcat tnncannntt caantnatct antanatatt 840
tnttntannt cactcnntan ctttatnant anttntnttt tananacant ataccntcta 900
acnatnatct ttntcntact tnaantctnc atattnatca tnnntncatn atnactattt 960
naaaatcnta tcacancttc tancacactn cnctntnncn 1000

<210> 1578
<211> 727
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(727)
<223> n = A,T,C or G

<400> 1578

anntcaatcg nacgagactg ttcagttctg gcttgaaaat gtgtgtgcca tactgtgacc 60
cacgggcagc ccctcctcct ctactgtgtc aggtggacca gggtcacctc tgttctgcgc 120
agctttgaga ttctaggatt ctacggccgg cacgaatggc atgggagggt tctctgcacg 180

ggacggcata acggcatgcc atccttcagg ctggcaggag cctgcgcagg tgtggcaaaa 240
tcttgaaaca gcctgtgtcc tgcctggctt ttcactttcc tatttaatat aagaaagcac 300
ttttttttct gctttaccta caaatgggtt gaaaatggcc tcctctgtcc tctcctctct 360
tttatacact ctgtaaaatc acaaaggtgc ttcaacaccg actgtcatgc agtgctgttt 420
tgtgaattgg cagtttctgt ataaactctt atttatataa naaaaaaaaa aannnnnnnn 480
nnnnnnnnnn nnnnnnnann cccccccccn naaaaatntt ggggggggntt tttccgnnan 540
cccnaactnn aaaaaaccnt tgggnnnntn ggcnccnccn cccnnnaaaa nnnnnnnnnn 600
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 660
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 720
nnnnnnc 727

<210> 1579
<211> 1039
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1039)
<223> n = A,T,C or G

<400> 1579
ccagccanaa nacngngana aaaggncnga cgnanacaga nnncgannnc gacgccngnn 60
gaanaagcan anancacccc cccaggcgtt ggaacccttc anagncgacg aaggcagacc 120
cacgancgaa ccggcacgag actgannaga ncnggcncga aaaagtgtgn gccatactga 180
gacccacggg cagccncncc gccnctacag ngncaggngg accagggaca ccncnggacn 240
gcgcannacn gagaannaag gaancnangg ccggcacgaa gggcaaggga gggannnctg 300
cacgggacgg canaacngca agccagcctn caagcnggca aganccagcc aggnggcggc 360
aaaaacaaga aacagcccga ggcncagccc ggcncncaac caggcccnaa ncaagaaaag 420
anaagcaccn gngcnggacg gcngnaccca cacaacgggc acgnaaaaag ggcngcccgc 480
gnggacacng cnnnncatng gaaaccaccn ccnggnaaaa ancaccanaa gggggccngc 540
anaaaacccg aacngggganc aagngccann cagnncgggn aaanaggang naaaaacngg 600
ccagnnngcn accgnggaaa aaaaaaacgn cnccnnnatn gncgcnncnn cnnncacggc 660
aananaccan agcgggacag acanngancg canacanang cgancggaga ananggaaag 720
aagggagaca aaacagcang anngacgaan anggnacacg cnacacgcac agcgangnng 780
nancaaaagn anncncngca nnannagngn gnangcaaaa naacgcgang agannagana 840
gnggacgcac nngcncacna ganggcgnnc ngacgnnncc ccaaaacgac nnacgnnnng 900
gagcaganaa cgacgcacna naaaggacgn anganncann nccgngaana aaggnagaaa 960
nngnngnacn anggcgacnc caggagacaa canangnnaa agcnaagccc cnagnacaaa 1020
agcaccaaaa naancnccg 1039

<210> 1580
<211> 759
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(759)
<223> n = A,T,C or G

<400> 1580
gcnntttgat ntncatacan ctacttgttc tttttgcagg atcccatcga ttcgaattcg 60
gcacgagctg ccttccaaca aaatcgtcaa gcgggcagag gagttggtgg ggcaggagtt 120
gccttattcg ctgaccagtg acaactgcga gcacttcgtg aaccatctgc gctatggcgt 180
ctcccgcagt gaccaggtgc atcttcagcc tgcatcccct tcccaggagc caggccactc 240
cctcagctgc cagaggctgg gtccctgctg gggccagggt gggatggaaa tagacatgag 300
caagacaaaa tagcagatat gaaactgttg tccttgaggg tgtcacattt ggggtgggga 360

caagggtggg gagataggca agtcggcaat gtagaccagt gcagtgggtt ggggggtggc 420
cacagaaggg agtcacagcc tgaaacagcc ctccacagcc ctagaggccg gctttatgat 480
tcccacttta cagatgggga aactgaggct caccgtgctt aagtaacttg tccaaattca 540
ttaaactcct agttattgag tctctagtcc atgtcancca tggtgaagaa cgggggagtt 600
aaacctacat gtgttctctc caagggcccc gatcaaggaa agcttttgta gaaanangtc 660
acacccgagc ccacctgatt taattatttt gattaatctt gaaaaaaaaa tgaacctgga 720
gattaccagg gaaccggggg ccaataanga agtgtagct 759

<210> 1581
<211> 980
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(980)
<223> n = A,T,C or G

<400> 1581
nntnntnnnn tnnnnnnttn tnnntnnnnn nnnnntnnnn nnnnntnnnn nnnnnnnnnn 60
nntnnnnnnn nnnnnnnnnn ncangnnnnn nnnnnntnnn ntnnncttntn nnnnnnnnnn 120
nnnntnnntc ccccccccncc cnnnncccccc ccccnncnnt tnnnntnnnn anganntacc 180
agtaggancg aagttatnct accacatgaa tnatnntgcg gncttgtang agttggtggg 240
gcaggcagnt gccttattnt ntgaccngng acanctgnna ncacngggtn annnntntgc 300
tctntggcgn nnccccntgt gaccaggtgc atcttcagcc tgcatcccct tcccaggagc 360
caggccactc cctcagctgc cagaggctgg gtccctgctg gggccagggt gggatggaaa 420
tagacatgag caagacaaaa tngcanatat gaaactgttg tccttgaggg tgtcacattt 480
gggggtgggg acaagggtgg ggagataggc aagtcggcaa tgtataccat tgcagtgggt 540
tgggggtgtgg cccacanaag nggagtcaca gcctgaaaca ccccctncac agcccttaga 600
ggccgggctt ttatgattcc cacttttaca ggatggggaa actgaggctt caccgtgctt 660
aaanttactt gtnccaaatt cctttaaact ccctagtnnt tgagtctcnt aagtccattn 720
tcagcccatg ggtgaaatag ccngggggggg aatttaaaac cctacnttgt gttcttttcc 780
caaggggccc ccgantcaaa nggaaaggct tttggtatna agaanggtca ccacccccga 840
gccccagcct tgattnttaa atnattttgg ttttaattct tgaaaanaaa antgaactng 900
ggatattacc agggaanccn gnggggccaaa tttaatggan atgttttngc cntaagggaa 960
ccancctgtn agnccnngcg 980

<210> 1582
<211> 1336
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1336)
<223> n = A,T,C or G

<400> 1582
aggnnngnnn nnnnnnngnn ngnnngnnnn ngngnngnng ngnnnnggnn nnngngnngn 60
ggngnggngn nngnnnnnnn nngannnngn gnnnnngnnn nnnnnggnnn nnnngnngnn 120
ngnnannnna gangnnnngn nngnncnnna ngangggngg nngnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn gnnngcngnt angntgggaa aaaanccccc ntttttgggg aagaaanann 240
ccccccnggn ntnctttttt tttgggccnn gggggnaaan cgccccaann ccgggggaag 300
ggggcgggnn aanatgtgnc gggggncnaa ccggnaaggg ggaanggnga nagnnnngng 360
ggannnnnng nnnggnnagg ggnnnnnngn ngnntttttt tttntnnaan aggccnagnc 420
gangnnggggg nnnnggnngg cngnnnnaag ggggngggggg ggggggagnt angggggcan 480
gnnnaggggg gncantancn nangggggnn gngagaacgn naaacaacac agggncnngg 540
aanggaggng gnnnagnnng nnngagnnac gnggcgnnng gngngnaang ccnncngggg 600

gcngggngan gngnananca ngggnnanag nagangggag gngggaaagg gnggggccgg 660
aantgnngga gnggcaaggg angnngganc ggagggangg gggcgagagg angagccnat 720
cgagnggggg naggggngac aggaanggan aagnanggggg gnaaggcgng aancgaaggg 780
gggggnatga ggaggagann gngagngctg gggggaaggg ggnannggggg gggggnngnn 840
gagnnggnna gnggggnggn ggangangat gggagcnaan cggtggacaa aacggcggcn 900
caggnggggc aggnanaaaa gggccgggag cggngcngng ggggaggngc ggnggtgtan 960
gaggcaggna aattganngg gagacnnggn gngcgnngga gggnngaana gngnnngaan 1020
naagacggaa cnaagtggag gagggggnan nnggcgcagg agagngaggg ngtanggnag 1080
anananangg nnaggacngg ngncgnggng nngagtgagn ggcgcgangg agngngaggn 1140
gagcggngan ngagggnngg nacggggatg gggangncng ggggngnnnc gcggggcgtg 1200
gggacnccng gggggggggg gggnnaagnn ancnnggggg ngnannagan gangggngnn 1260
cgntgcnggn gnggggggggg gagagnaang agnacgnggg gggggnnacg nnggggnnga 1320
gngcgagnnn gcgcgg 1336

<210> 1583
<211> 1328
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1328)
<223> n = A,T,C or G

<400> 1583
cttatgnnag atcttatcnc nntaactnga catnnaanan gnagtnnntc nctagccnat 60
taacacattc cgatntntat taaccnccnn ccnncccncc ccctcnnnnt tccaaagnta 120
aatcgnggga gaaaatctcn ttcggncccc nntgnanttt gntagagana atgtntnttg 180
ctatggttnn gnggggnnngn ctatcttttt actnggggna ttttatnntn ntaacacatc 240
tntgaangct atcctaccttt actnnanatn atacgagnaa atcatgacca cttcnnatga 300
cnnnaaacat agannncacn acccttctnn ncgagtannn ctcctagnac ttattntata 360
ngtagnatna nnaaattcnn aatnatttcg nacannnctt ttannttann tagnatnaga 420
ctnattantt ancgattnat ntatactata nnctanctnn ncacntagca nacttgnnan 480
acaggcagta cctagnctna ttcngctcag cacanctnta atccaccagg aaanaannat 540
ataanncnan cntgtaatat cnttttttatc nctnnncact ggnatcannc nncatntgat 600
tcatcatacg aatntatatt tcnntcttng gcatnatatn nattcatnat annncgctct 660
ncnanacacc acatanataa ntatagngct atatnattaa attcncaatc tggnacnnac 720
naanttaana ancanctanc tacacacaca atcanaattc acataatgac ntantntcnt 780
nacanatana tanctaatnt agaaagnntt attctgnnta ncccncnctt aatntngcnn 840
tctcgnttnt gnatnncgat aanannaacn nnatnttatn tntacanaaa atagnacata 900
tggcnctaca tctacgtatg cgcatacacn gncttatgaa nntncncacg tgnacgagac 960
ntactancac angtaanann tcttcncnan tnagngctan tntcacatna cacnntctag 1020
anntaactna ttncacagan catacntctt atcannatnt taatataacg nacnncncat 1080
tcatcacatc ananctaaca nagantgtga natatanact anctaagttn attaaaacat 1140
agttacatnt nnatatnant ctnancntat atcgnctcct atnttanctt cnctcnatnt 1200
gcaantgtat caatactcat nactanagna ttctntctct atattttaat tttcntntnn 1260
tatannttac ntantcntca caccctatac taagatttna tnanantctn atctanccac 1320
tanatnnn 1328

<210> 1584
<211> 740
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(740)
<223> n = A,T,C or G

<400> 1584
caccccatcg tgtacttaac tgtgcgtgac gtgtgctttt ggtangcatc actgtgccca 60
agtatttcat gtncattgta aagaggaaaa atacagattt ctctataatg tnaccactta 120
tttctaattg ccacttttca tcttgtggaa atgccatgtt ctgattcant cttctgaatt 180
tgaacattat tcaggttatt tccaattgct gggaatatcc ttactgctaa aataaancct 240
tagcattgga attgctaggn caaagattat gcatgctttt taagggcttt tgaaatgtat 300
tgccagtctg tggcctgcca ccctccctga acatgcctgg tcttgcttaa aatgtattgc 360
cagatantcc ttgggaagtt catgttgtct ttaacaatgt gaaatagtac nnctattcac 420
nttccttttg tctgacaatt nngataagtn aataattgtn tcccaccatt ntgtagtann 480
ggtttttaac ntggaaatcc naatcaatac ctgggctgaa gcatcagtgn ttccacccta 540
cctanccaaa aaaaggattc nagggtattc cnncaatcag tacctgccct aatatattan 600
agcccttacn gganatnaat canaanangc ttttaaaaac aaanaanccc nggacnnggc 660
cnttttacnn aaatgccccc ngcccntntn aaaaagnnac tnggntttta angnnatnga 720
aaatggcctt tgggcncgtt 740

<210> 1585
<211> 1003
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1003)
<223> n = A,T,C or G

<400> 1585
ttttttgaa acctttnnnn ntngaatacc nanacaaact ctgnntgtct nngcgggatc 60
ccntcaagtc cnatncggcn cgagcncanc tttntnnann tgtcgcgtct gagcccatga 120
gncacgacnn cnttcnccgg cgcctgnatt gncatntctc ccaaatacgt ggctnntccn 180
cantnngaat natcgnnatt tttagtgcca gannattggc nataatgtnc nccntgagan 240
aaannctnct gncatgngaa accatcttna tacttgncgt nncnaaatnc attgtgannt 300
ntgaagggga acgggcnctn nnaaagngat gaatttcnna taacttnacn ggttnatnan 360
gaatgatttt gcncacancc ggaaaatcac cccactnntt tgnttcaaga ntgggcccct 420
aacgggaggg gtantagagg caaaccntct ttgcgggctn ttntatttcc tttnttcaaa 480
caccaatntt tgntgaanaa taacagtgtt ttnaattnaa ttaccaccgc ntncantgng 540
attntttgnc ccattncaaa ggntgggtca attcccctaa aanaattggg aaaanantaa 600
tttnccattt cnttttccn ttnaaangaa accntnccnt gnanttaaaa aaanattctn 660
tntnnttccn caaatttttt nnttttnaaa ccnctnancg gctaaccagg nccgnttttc 720
ggtgnccctn tttattgttg gccanntaaa nccccntttt aaaaaaattg gccttnaaaa 780
aatccttacc atttttnnna ancctaaaaa nggattaaac tttcaaancc gtnaantaaa 840
tttnnggggg ttcatntnnc tttgaactcc ccctgcntcc cntanaattn gaattgncac 900
attggtngna nccaaantat ggatntttca agannaanac tgggcttnca aatgnctttt 960
ttcancnaat nanntnatat tgccattttg nggccccccc cnt 1003

<210> 1586
<211> 740
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(740)
<223> n = A,T,C or G

<400> 1586
actttcnaat cgcacgagag acantctcct gcacacgncc ctgtgggaaa agccagcttc 60
tgtttgcact ggtcttnaca actcgttacc tggatctttt tacttnnttt atttcattgt 120
ataacacatc tatgaaggtt atctaccttg cctgctccta tgccacagtg tacctgatct 180

acctgaaatt taaggcaacc tacgatggaa atcatgatac cttccgagtg gagtttctgg 240
tggtccctgt gggaggcctc tcatttttag ttaatcacga tttctctcct cttgagatcc 300
tctggacctt ctccatctac ctggagtccg tggctatcct tccgcagctg tttatgatca 360
gcaagactgg ggaggccgag accatcacca cccactacct gttcttcctg ggcctctatc 420
gtgctttgna atcttgtcaa ctggatctgg cgcttctact tttgaggggc ttctttgacc 480
tcatttgctt ggtggtggcc cggcgtagtc canaccattc tatactgnga ctttttttcta 540
cttgnacatt acaaaaagta cctcaaggga aagaaagctc aatttgccaa ccataagtgc 600
ccaaaaccca tcacccacat ctgttccttn nagggtgctt cggacagaat tcttacacag 660
caaaaggcat aaagangctt ganccggaaa ataanaaact taactctttt gttccnaaaa 720
gncatcaang gctcctttan 740

<210> 1587
<211> 651
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(651)
<223> n = A,T,C or G

<400> 1587
ntgacattgt gattgcaaaa agcccaagtg atccacantc aaangtntga ctgnganann 60
aactggnnat gagncaatga acttnttgaa gacatcactc ctctaataaa tgtggatgaa 120
aatgtggcag aattggttgg tatactcaaa gaacctcact tccagtcact gttggaggcc 180
catgatattg tggcatcaaa gtgttatgat tcacctccat caagcccaga aatgaataat 240
tcttctatca ataatcagtt attaccagta gatgccattc gtattcttgg tattcacaaa 300
agagctgggg aaccactggg tgtgacattt agggttgaaa ataatgatct ggtaattgcc 360
cgaatcctcc atgggggaat gatagatcga caaggtctac ttcatgtggg agatataatt 420
aaagaagtca atggccatga ggttggaaat aatccaaagg aattacaaga attactgaaa 480
aatattagtg gaagtgtcac cctaaaaatc ttaccaagtt atagagatac cattactcct 540
caacaggtat ttgtgaagtg tcatttttga ttataatcca tcaatgacaa cctaatacct 600
tgcaaagaag caggattgaa gtttccaagg agagattctt cagaatgtaa a 651

<210> 1588
<211> 820
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(820)
<223> n = A,T,C or G

<400> 1588
ccaaactaga agctgtcagt gacaataact tggaattagt caatgaaatt cttgaagaca 60
tcactcctct aataaatgtg gatgaaaatg tggcagaatt ggttggtata ctcaaagaac 120
ctcacttcca gtcactgttg gaggcccatg atattgtggc atcaaagtgt tatgattcac 180
ctccatcaag cccagaaatg aataattctt ctatcaataa tcagttatta ccagtagatg 240
ccattcgtat tcttggtatt cacaaaagag ctggggaacc actgggtgtg acatttaggg 300
ttgaaaataa tgatctggta attgcccgaa tcctccatgg gggaatgata gatcgacaag 360
gtctacttca tgtgggagat ataattaaag aagtcaatgg ccatgaggtt ggaaataatc 420
caaaggaatt acaagaatta ctgaaaaata ttagtggaag tgtcacccta aaaatcttac 480
caagttatag agatccatta ctcctcacag gtatttgtga agtgtcattt tgattatnat 540
ccatacaatg gccacctaat ccttgcaaag aagcaggatt gnagttttnc aaaaggagag 600
atcttcanat tgtaaaatag agaagatncc aaatgggngg caggcttncc catgttaaaa 660
aaaggangga aaccnctggt cttcnttnca agccaattnc tgggaanaaa aaaaaaangg 720
cttttgttaa aanaaactgg ggacaattca aggancctt ttgggggact ntaagttgcc 780

aaaaaaaaaa aaaaaaaaac tcggnccttt taaactntng 820

<210> 1589
<211> 690
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(690)
<223> n = A,T,C or G

<400> 1589
gtatcaatcg cngtaacctg ttcccttgat cntgagtttt agctcagata accaggtatt 60
ttgaagacgt gattgtcctt ggccctgccc catcccttcc ctttaaagtt ttaaattttt 120
ttcatgtctt ttctttggcc agaatttctc tatcccctgc atgccttcct cggttaccat 180
aaatctgcat tatcctagga aagatgaagc ccacagattg tacgatttca gagtacttcc 240
tgggcccctg tgtgatccga cagaggcctg gtcatcaagt tggacttccc tatgtgaaac 300
cataaactaa cctgaggaag atactgaggg gagaggggct gtgtaacggt gactgcctct 360
aggccagcct tctgccaggc agagaacagg aagctggcat gcagggtgtc tggcactggt 420
aaaatgacac catgtttgta agtgcattgt cctggctttt ggtgggccgt gcaggagttc 480
ctgcctgaat tatagtcttt ccatctcata tcttcatgtg gagccctcaa gctttaaaca 540
aagtcttttt atctccggtt ttcaagggtg ggctcccatt atctttgaga acctcataat 600
gctgcttttc ctttaaattt ngttttacac ttgnccgctn ggtcagcaca agagctactt 660
cacattttnt ggnccccccac ntcggnttca 690

<210> 1590
<211> 727
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(727)
<223> n = A,T,C or G

<400> 1590
acnttcaatc ggcacgaggc tngttctggn gaaagctcan taagtatgga ttttattcct 60
caactagtag gataccaata ctggtattga aacttgggga aaataactgg agataccagt 120
gcagctattt aaagctgtag caagggctgc aatcttgcgg agattttaaa gagaagtttt 180
aaagtttcta atactgatgc ctctttttgg taaatacaag ttttataaat cctgccctgg 240
gatcctgatt ccccattaat caagatttgt cagacttcac cttctataat tagaaaacac 300
agttataaga acagtcaatt ttttaaattt tccaaattaa aaaattgcac catgattttg 360
aacaagcact tccaattaca ttacccatct tgtatgccat aggtgggagt ataattgtca 420
cagcctttag gaatgtagtt ttccgggatt tattgaaact ttgaaccttt tggcctacta 480
agttcattcc taggaaactg cctaatggga atgatctgac aagtgtacac aagcaaagtc 540
attgcacctt tggtctttaa tacttaaaac taacccaaat gcccttgcag taagggactg 600
gtttaataaa tggtancctt tatgccaatt tgttctaaag tattcgttta agagangtgg 660
aggaatctct tggattatta gggcaagaat tctaacttng gtaaaaaaaa agtggtgcaa 720
gcatttt 727

<210> 1591
<211> 460
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(460)
<223> n = A,T,C or G

<400> 1591
ttcnaccagc tcttgttctt tttgcaggat ccctcgattc gaattcggca cgaggcttgt 60
tctggggaaa gctcatataa gtatggattt tattcctcaa ctagtaggat accaatactg 120
gtattgaaac ttggggaaaa taactggaga taccagtgca gctatttaaa gctgtagcaa 180
gggctgcaat cttgcggaga ttttaaagag aagttttaaa gtttctaata ctgatgcctc 240
tttttggtaa atacaagttt tataaatcct gccctgggat cctgattccc cattaatcaa 300
gatttgtcag acttcacctt ctataattag aaaacacagt tataagaaca gtcaattttt 360
taaattttcc aaattaaaaa attgcaccat gattttgaac aagcacttcc aattacatta 420
cccatcttgt atgccatagg tgggagtata attgtcacag 460

<210> 1592
<211> 516
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(516)
<223> n = A,T,C or G

<400> 1592
ttcatttann ctnttttttt gcaggatccc tcgattcgga agagcttctg caggggctga 60
gcagacccca gggcctctta gccaatcccc gggcctggtg aagcaggcga ancatatggt 120
cggaggccng caactacctg nacttgccgn caagagtggg caatcttttn tgtctctcgg 180
gaangnccca annctcctcc cccaanttga nanaaaaagn aagttntggt naacccancn 240
taagccataa gttcccctgg ggcccctggg ganaaagnct tcaatcacng ggccaagggc 300
ttctggnccc cattnattgn cttggacaag aactctgggt cacaagtctt gctnggtctt 360
gctggggaan cccnaccnga cattgggccn cagacttgct ggtcttnttg ggaagaaggg 420
caagacccca aaccaagatc caaaatacac ttncagctct taaccaaggc ttnctttcaa 480
gtcacaagtt gttgccngaa atcagtaaca agaagt 516

<210> 1593
<211> 1207
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1207)
<223> n = A,T,C or G

<400> 1593
agattntcga atcgcacgac ttgnccctgt ggggtcttac ncgatgtgtc tctgagtagt 60
aaaggcttag ccttgttcct gttatgttgc aagaaggagg ggaaggttcn gngatttctt 120
ctgatttatt ctnnggntcc atgtganccg gccntcacgt gnanccnncn gcacngnacg 180
ctcctnncgn atccacatac nccagntana cntnctnnnn anccaccacn cccanctgcn 240
antccanntc ncccaacgcn cangcntnag cctntannec ccccaccctc ncnnagncct 300
actacaccnc cattnnancc nnccccnaan atcacccccc ttcctaccat cgtcnnanca 360
cnncccatct acantcnncn annaccgnnt nnnccnccag tnatcanttc actcntaccc 420
ncacgcctnc anngnncnaa ctctncccctg ccaatcatgt tctanngcan nncncnnctc 480
ntancctact catcntatta aacttntctc tttncnctnt gcnacatnan actcctcttn 540
ngnctnnctc atnatccgcn ctacactcaa cattctgncn nnatnctatn ngnaccntaa 600
aataccntca cataatcntg acgcacatcn ntcnctacna atcnattgtc atnntnatct 660
ccncctctnt accatantct ctcntaacag tnatntctca ttctcaaact tcgccatnnc 720
ccacnantnt ctcttacgca cacnntccta ancctatnc ataccattna atnnctgcc 780

ttgctatgan anncnncgan cacntacaca nnntgtancn aactanatac aantatcgct 840
ccctctcact aacnnctnnn cntaatanaa cataagccnn nctancgnnt cntnntnaca 900
accacatnta ctcttacgca ctgnnntctc tctttnggnn tcctctttcg caacgnctca 960
nnantccaca cgntccttac gcccatcatc ctnnnccctac agtatgtaat cccntanatt 1020
nntncanata ttcatcncca ngcccgctac tgataccttc nctgctacca tcnctccccc 1080
tatanttncg tctcgnacca atctacgtnt acacngttnc ananccaata ancnacctca 1140
tgctncgnac atacganaca natgcncatn atccacattn ccctnccnca nacatntntc 1200
taanccc 1207

<210> 1594
<211> 466
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(466)
<223> n = A,T,C or G

<400> 1594
tntacgttca agctcttgct ctttttgcag gatcccatcg attcgatgcg cttattaggt 60
attttatctt tcaaaaatat atgtncccaa ctgtgtttgt ttgtttcctg actgtgaaca 120
ctgaagagga ctagatcaaa aatgaccaat tgagtagcaa ttgaacattt acagtgctgt 180
gtgcagtgaa cttctgtagc acccaaattg tggggttggg gaaaaaccat tccaccttaa 240
aagaaaacca agcctttctg gcaaaattgc tgattctagg ttttggccaa gaaatgtaca 300
tgctgactgg aacattgcat aacagttagt aaggaggctg ttaaagacta tttagggtca 360
tttcagaaag actggagaaa tgactgtaga attcccactg gcccagagat cnggtagaaa 420
cctgtgaagt gtgtttaaat tcttgagttc ataatgggta ttttaa 466

<210> 1595
<211> 723
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(723)
<223> n = A,T,C or G

<400> 1595
aggttttcga ttcgcacgat atntntcaca tgttaanaan atatgtaccc aactgtgttt 60
gnttgtttcc tgactgngaa cactgaagag gactagatca aaaatgacca attgagtagc 120
aattgaacat ttacagtgct gtgtgcagtg aacttctgta gcacccaaat tgtggtgttg 180
ggaaaaacca ttccacctta aaagaaacca agcctttctg gcaaaattgc tgattctagg 240
ttttgggcaa gaaatgtaca tgctgagctg gaacattgtc ataacagtta gtaaggaggc 300
tgttaaagac tatttagggt catttcagaa agactggaga aatgactgta gaattcccac 360
tggccagaga tcggtagaaa cctgtgaagt gtgtttaaat tcttgagttc ataatggtat 420
tttaaaaagg aattggttac tcttagatta gagcatgata ggaacaaatt tattaccttg 480
aacattggta aatacaagaa agaacaattt atcctgcttt tcctatgtga gtgtacctct 540
ggctaacaaa atagtagata tgggagagct atttcaattg ataaatgaaa aaagaaatgg 600
cagaattgca ataccaccat tttataactt ttggtgaacg aatgggtcta ngtggtgagc 660
gtcgatngct actacatccc cnnnnaaaaa annnnntnnn nnnnnttnnn anangaannn 720
nct 723

<210> 1596
<211> 464
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(464)
<223> n = A,T,C or G

<400> 1596
cttnnttaga tacagctact tgttcttttt gcaggatccc atcgattcga attcggcacg 60
aggattcatc ttcttgttct ttaaaagtca aaaggctttt tgacctttaa ataactctta 120
catctggtca tcactgttga aatgttctac taaattttca gagtggaaaa gttttaggct 180
taaaactgac tggtaaaaat agaatatttc tttgtattga tttttcagta tagctgtaca 240
gccagttatc cttcgttaag tgtttcggta ttaaaactgc tcacatttgt aaatattgag 300
cagctttatt gtcagaacaa gaatcccttg gtttcccaat ccccaacttt taacattgta 360
attaaacatc ctgtataacc tattttattc tctgccaaac aattttatga ctgctgtttt 420
tactctttgt gatgaaaatg ggatggagaa gataaggttc tttg 464

<210> 1597
<211> 709
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(709)
<223> n = A,T,C or G

<400> 1597
atgtngacca nttcngcacg aggattaatc ntcttgttct ttaaaagtca aaaggctttt 60
tgacctttaa ataactctta catctggtca tcactgttga aatgttctac taaattttca 120
gagtggaaaa gttttaggct taaaactgac tggtaaaaat agaatatttc tttgtattga 180
tttttcagta tagctgtaca gccagttatc cttcgttaag tgtttcggta ttaaaactgc 240
tcacatttgt aaatattgag cagctttatt gtcagaacaa gaatcccttg gtttcccaat 300
ccccaacttt taacattgta attaaacatc ctgtataacc tattttattc tctgccaaac 360
aattttatga ctgctgtttt tactctttgt gatgaaaatg ggatggagaa gataaggttc 420
tttgccttat ggtggtattt attatcatcc tccatcaatg cagattgggt aaatagagaa 480
aaattcangc cgggtgtggt tgtgcacatc tgtagtccca gctgcttggg angctgangc 540
angagaatcg cttgaaccca ggagtcagaa gttgcagtga gctganattg cccactgcac 600
tccagctgag cacanggtga aactctgctc aaaaaaaaaa aaaaaccctt naaactatgg 660
ggngcntttc cgaaaccnaa ctganaaaaa ctttgtgagt tgccncccct 709

<210> 1598
<211> 1372
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1372)
<223> n = A,T,C or G

<400> 1598
nacntantan nttnatantn nttctntnat ntccnntncn tncntctcnt tgnntnnggt 60
nnntnntntt tnttcngttt nccccccccc nnntnccccc tttntntttt ttcttttgnn 120
nccgtagacc gngtgaaatg attngctgng ccncccggta tgttattttn ntatatgntt 180
ncnatncatn antttttcta tgngncnnca cttttctacc ntntnggggg tgtttttttan 240
ctccattann nattctattn tnnnacttct tgattantat nangtctttn tcttttnncc 300
catcntntnt cttnnncact gtnnanctnt tnntccctnn ttnttatctt nnnttttcntn 360
ttacntaaat tctctcnntc nttatttntn tcttcatctn tntngcnttc catttntttn 420
ttttntcctt tncnnnctnn nnttctttta ctcttnccnt ctnctcntnc ncctnctnca 480

nntcattttt tcttanctat acgcgttatt aagnnnncta ctncgtnctn natatnttnn 540
tactatcnnn ntcnctttg ntnnagtnta ntccctnnng tatttctcnt nnngtctatn 600
tgctntatta tttnntntct gtntntcttc tactcncnat atcatnnacn atacntatat 660
atatatacan cttgtttcta tntntancta cataatgttc ntttantctt ntttnttctn 720
ctagtatgtt ncttnattat ctanttcntn tttatntatn ctatcttctn atnattntnt 780
catacctnta ttcgtatata nagnaactcn acatgntang tgtccnttnc natctcannn 840
nttantcttt ncattcttnn gttatctgnc gtnttncntn tnacntgata ntcatatnnc 900
cntnancnta tatgatgaat cacgntgtct ttntcaagct nnnntctctc tttccttctn 960
tnnataaact tntgactcng tagtttactt gatcttttcn atntctnaac atcactccat 1020
tcncttncgt cnngnacnnc tctnttctnt actattcttn tctactcctc tnctctnttn 1080
gttanttacn cctccgatnc tnttanttct cacnntncnn attttctaat gtantntntg 1140
gtatatttct gntatctcta canccgatcn nanctacgtt cgtatagtat nctaatantt 1200
gatntnatct antgttnttt tatcctncnt tcntantnct ntttacatna ctctntttnt 1260
ctgttttctt tatctnctat ngtnaanttt cctatgngta tnatncngtt nctctctann 1320
atttcatctt ctatctntan ntctcattgt atgcttcttt ngcttcttcn cn 1372

<210> 1599
<211> 464
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(464)
<223> n = A,T,C or G

<400> 1599
tngatncctt cgatcagctc ttgttctttt tgcaggatcc ctcgatncgg cctatcttag 60
agaatcatct gctcanncct tattcctgca gaatacaaat gtcacattct aacctgttca 120
gagattgtct tcaanataaa antgtgattc ctacatggna tgnnaaacaa nctacactnn 180
tnggcaaaag gcattattag ggntngattc cataatgatt gagtnctntt nnnnagtata 240
ntcatgcanc tgaacaaaat gaagctcatt ccactgcntn gaanaatnnc acaaatgtga 300
tgctnaanan aggaagccac gtgcanacac tnactatata attntatgta catnaagttc 360
agnatccgga tagttaccnn tgnnaaggan gtaactnnan gagtntgagg aggggnttct 420
ggtatctggt taatgnactt ngtaccantt acccaanagt gnnt 464

<210> 1600
<211> 922
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(922)
<223> n = A,T,C or G

<400> 1600
nnncnntacn cntnnnnnnn nncnnnnnnn nnntnntnnn nnnnntnnnt ntnntnnnnn 60
nnntgnnttn tnnnnnnatn ggtnnnannt tntnntntnn nattacntnn nnnnncnntn 120
ccccccacgn nnnnnnnccc cccntcnntn ttnntnntnn ttnaatntcg antccgcacg 180
gaggatatac tacttatggn acantgaggg tgcaanggnn tcctannatt catgnggatg 240
ntccnnggtg tgaggaggga atctgcaatt gnttgctnna cagagcgctg gcaacttctg 300
acaggctgtt tctggggtat gggctgcctc gggttgttgc tgttacaagg aaagaaaaga 360
gttcccctgc ccaccgcctc ccagccactg ggctacctcc tggcaggaaa tttgcaaact 420
gagtttaaca agttaggatc agcagagggt agaggagggc cctggcagat gtggggtcta 480
gaagaggaca ggagttatca gggcctccgg ccattgtgct gggcctttgc ctgtacaatt 540
gtttctcaag cagttgtgtc cctgtggctt tggtgcgcct gtgtgcactt tctccctcca 600
ccttggagca tgggctaaca cccggaggaa aaggaaaaga cagagtcaag acaggggaca 660

atgaaacctt tgaagtgccc antctatgaa agaggcccgg gggtgggact aagaatccan 720
tgccgcnccc aagagtttga ccaaccaccc ccctacagca actnttgngg atccccccat 780
cacctgaggg aggaaccaac ctacccattc caaaaggggt ccaagggata agcccaaacc 840
tggggaacan aagcgaaang gcctccaaag gggggtccat tnggccccag gaagggaanc 900
ccttgggaaa aaactcccan nt 922

<210> 1601
<211> 864
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(864)
<223> n = A,T,C or G

<400> 1601
ttgaattcca tacaagctac ttgttctttt tgcaggatcc ctcgattcga attcggcacg 60
aggagggagg atcccctggg ttgtgcatat ggcgggaagg ggtattccag gagtggagga 120
tgtcagcagg gtgggaatgg gatcagtgag gggaggagga gcagaggagt cagaaggatc 180
taagggtagg gctgaaggtg ggaaaacacc tgtagggctg tttaggacac ggaaagggcc 240
ttgactttgc tgccaacnaa gatgtgaagc tccaggcaag ggtaacaatc taacttacat 300
tttatgaggg tcctgtggca gctgtggtga gaacagactt taagggtgct gaggtggatc 360
acggagacct gtggccaggc tcttgtgtgg taaatctggt ttgggagaat ggtggagaac 420
tggatgcang taggancact ggaagtggca agaaatgact ggattcttga atattttgtt 480
caaaagttgg anccgaaccc cggttttgtt tgatggacct tgaattgttg gggtgttgat 540
taagaaaaga agaaggangt tcaaaggacc aattttcttg naaggnatct ttaannnccn 600
ggaagccaan ccttggnaaa accaaggaaa ggncttgcct tgttnnaaat tggnaaaaaa 660
tngggaaatt gggaaaaccc ttggggtttt tttggggttn gggggggnat tttttcaaac 720
ccccatttgg ggatttnccc catttccant tttttggang ggnnngtttt ttcnatttca 780
aanccaattt ccccttaaan tgggggtngg naattaattt ggggaacctt gggggggcccc 840
aaatttttng ggaacctttt tacc 864

<210> 1602
<211> 619
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(619)
<223> n = A,T,C or G

<400> 1602
ttgattcnat acaactactt gttctttttg caggatccct cgattcgaat tcggcacgag 60
aagagacagc ctctctcttc tgtctcagaa gctctgtgtt tgggaaactt tgagcccatg 120
gagtagcagg gtctgcatgg tggagtacca ggtttccctg gcaatccagg tctcctntga 180
ggaagcattc tgacttccca ctgaccacgg aaggcatgtc agcttcntgc ctcggnctag 240
agttctgata atcggggctg aggggtgaaa agaaatccag tcagacagac agtgggggag 300
acaggtccct gccctttatt tgccgggatc aatcagggac tcccanaaag gaaggagaat 360
ggtgagaagg ccctaagagt tcgtctctca cctggggctg tgacgtggca ccacaactga 420
aacagctatg ggtggcggtg tgtgttaacc tcacgtnctg aactgacatt gncaaagagg 480
aggagtntac attcagatgg caggcgttca ggaacaacac attattaatg gctagcagtg 540
acatatgaga aacagatctt atatctccag gtagcaccca nctgttgttn tcatatcttg 600
agaganaatg gatannact 619

<210> 1603
<211> 721

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(721)
<223> n = A,T,C or G

<400> 1603
ttgaanncca tacaactact tgtctttttg caggatcttn tagacctttg tgaaccagat 60
gatgaaagtg gctatgatgt tttagccaac cccccaggac cagaaagacc aggatgntga 120
tgacgatgcc tntagcggat gtgtttgaat ttgantttte agagaccccc ctnttaccgt 180
gttataacat ccaagtntct gtggctcagg ggccacgaaa ctggctactg ctttcggatg 240
tccttaagaa attgaaaatg tcctcccgca tatttcgctg caattttcca aacgtggaaa 300
ttgtcaccat tgcagaggca gaattttatc ggcaggtttc tgcaagtctc ttgttctctt 360
gctccaaaga cctgggaagc cttcaaccct gaaagtaagg agctgttaga tctggtggaa 420
ttcacgaacg aaaattcaga ctctgctggg ctcctctgta gaagtgggct tccaccccag 480
tgatctggcc tcagacaact actggtgagc aagctggccc accatgtaca gtgtggtata 540
gtggttaatc cttgtgcata tgtgcataat acaactattc tgnnaagaaa ggcactntac 600
atatgaaaat atttnttntt tatataagaa aaattactcc agtcagaaag gacttaaaaa 660
catgtttttt tccttttaa acttttaaag tcaagttttt atgaaagtgg gttttaatng 720
t 721

<210> 1604
<211> 738
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(738)
<223> n = A,T,C or G

<400> 1604
ttngatacag ctcttgtctt ttgcaggatc ttatcgattc gaattcggca cgagccctat 60
cttatgagaa aagtaacttt gaaaggacta atacatcctg ttcttagctt ntgcttcctt 120
caggccttct ctatgaagcc agcctattct gctcagcgct ttggaacact gattctattt 180
catggaccga agcattgccc aattgtagaa ttgcaataaa gccaactgag atctttaaat 240
tggctataat tcatcctttg gcaatacagt aaaaaaaaaa aattctcaca attctgtaga 300
agggtatgag atatacaata aaagacaccc ccaccctctg caatctacca ctcacagtag 360
tttatctggt ggtttccact ttttaacaat ggtctgggcc aggtgcagtg actcactccc 420
gtaatcctag cactttggaa ggtcgaggcg ggcaggttgc ctgagctcag gagttcaaga 480
ccaacctggg caacacagtg aaacccctgt ctctactaaa atacagaaga aaattagccg 540
ggtgtggcgg catgcgcctg gtagtcccaa cttactcgtt tggctgaggc aagganaaat 600
tgcttggaac ccatgaaggc aaaaggntgg cagtggagcc cgagaatcat tgccggnttg 660
cacttccaac cctgggggtg gacaagaaac cgaagaactt ttgtctttta aaaaaaattt 720
aaattaaaaa aaaaaaaa 738

<210> 1605
<211> 715
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(715)
<223> n = A,T,C or G

<400> 1605
naattccata canctacttg ttctttttgc aggatcccat cgattcgaat tcggcacgag 60
agaaggtcgc ctctaccttg cccagaacac aaaggtgctg cagatgctgg agggaaggct 120
gaaggaggag gacaaggntt tcatcaccag gganaatgtt nttggggccc tgcanaagtt 180
cagtctcagg cgcccgctgc agacagcgat gattcaagac ggcctcatct tctggctggt 240
tgatgttctg aaggaccctg actgcctgtc tgactacacg ctggagtact cggtggcttt 300
gctcatgaac ctctgcctcc gcagcacagg gaagaacatg tgtgccaagg tgggcaggcc 360
tcgtgctcaa agtcctttcg gatcttcttg gccatgaaaa ccatgagata cagcccgtat 420
tgtgaatgga gctcttgtac agcatccttt ctgttccatc ctttctggag gaagcaagan 480
caatgggaat ggaagacatc ctacctgctt catcaaanan gcaatgctga aatgaccgcc 540
agatagaatt catcatcaag cagcttaaat tccgaagagc taccagatgg tgttctttga 600
atcttgntga tgatgaagat gaagatgntg aagaggacca tgacntcntg gaagccgatc 660
ttggcaaaaa ccaactgatn ccaccccact tggaaaactc tcaggaaana agctt 715

<210> 1606
<211> 682
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(682)
<223> n = A,T,C or G

<400> 1606
tnnattcnat caacctactt gttctttttg caggatccca tcgattcgaa ttcggcacga 60
gggtgggtgg cagagggaaa tccaacatgc agactgtggc agtgtcttga acttctgttt 120
attcaggtca ttgantaaaa aactcttttc ttctgcattc ctgtctttct gcatgtgtgt 180
gtgtgtgtgg gctgggtagg gactgttttt gagatcactg gctgaaatgt attctagggg 240
tgaaggatct aggatgtacc tgctcgtcat ttcctgactt caccttacc aattcttttc 300
ttaacaaatt taaaattggt cagagcagga gctgctagct ggcttttaac agtgtttctc 360
ataatggcag tactcagcaa atagtttttc tcttgtctcc taaaattaag ttgcaagact 420
aatgtaacaa acagtaaaat ttaagctaaa gaactcagta taggctgggt gtggtggttt 480
acgtctataa ttccacactt tgggangctg aggtggaagg attgcttgag cccaggagtt 540
tgagaccacc tgggcaacgt agggagaccc tgctctacaa attaaaaccg caacacacca 600
aaaacctcta ctggcacgga gtggtgcgcc ctgtgtccct actccaactc tcanaggcag 660
nangacatcc tgggcccaag ag 682

<210> 1607
<211> 1356
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1356)
<223> n = A,T,C or G

<400> 1607
cncncgncga annactntgn tanatgtaag aaataatgat nctnngcntn atancnannt 60
nnncaaaacn attagntnnn taatanagan tncnnnggnn annatnagcn aggcttgtaa 120
ccttggcaan ccgtnggtca gtccagnnag tcacgnnnnn cnncnngnnn ttactctatc 180
ncntatntnc nctngnatnt tttnacnngc nggaanaatc naccncctcn nggtggngaa 240
ntagngggnn aagtnnctgn aacnataacc atggngntga gngcnagaaa ancgaggaga 300
gatgnggaga tgcggcacct ntgtnnaaan cctgcnncnn tgngannncc nntggngnnt 360
cgggagnanc nnactcctan nnngangacn ggnnnatnga atngttannc gnanaaacan 420
ccgtgactaa atgtgtcgtg ggaagannng gnngtcgnnt aaaangnttg atancgnttn 480
ngancatntg gatttgagta atangaaang ancnncgggt ngnatttnag ngaangganc 540

gggcgnnanc cnnccancnc gantgaagnn cgncaanncc ncancnaact ggnnntcnnt 600
anaantgntg antgcctnta nannntnagg ggcggggaat acnatcctaa atcgtggnan 660
catacactga ggnaatntnn annanaagaa tnnctcnnac atntnnatag ananaagant 720
atntnnagtn tctnnaanac ncanaanntc cnttgtncaa agngaaatgg ncnngagngt 780
ccagcacaga nataaacaca tggacatccn tgangcttgn atcnaacacg ngacgaaagc 840
agtngccgan nanattnntn tnagcangaa gancnatatg ctgtnnatct cncttgncna 900
aanctgtant tancataana ccangcncgt nngcancgan gangcaatan ccncantgnt 960
nagntaangc tnccncattn ggnggangaa taaaatcnga tggganantg aaannnangg 1020
ngctgcnctt attacgcnaa tcatatctaa atatannana ccatncttgt nagangntat 1080
acnctnatan tntctntcag atgngnacgc ttgnatgtcn tctatcntnn ctattcatat 1140
ctgacacgtn cgnacgcatg tnnattgnta acgcacgtag ngtgtncacn tnncnnctcc 1200
cgngnntagn gacagagacn ggagannnca tctctngtgc gcgnatanna gtaaagancc 1260
nnnctgtcan ancgcgntat cgatanttat gnngtncttc atncnnntaa caaaagcaac 1320
gctcntnttn ttncggaana aaaaaanacc nnncng 1356

<210> 1608
<211> 1588
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1588)
<223> n = A,T,C or G

<400> 1608
cccnncnnan ccnntnnnan cnngncgnta tatggcnnnn anncttggta tttctccang 60
ttgancngtn tnnatngtcn nancncnaat ttgnnngnnt tacnantccg cantgtccnn 120
tntcnattaa ancngtaaag aaantncngc ccnnctgtnn gatngtatcg gcagtattgt 180
nantgcgnaa tnnnacnnac annnantata tctgggggggg cnnctnnnnc ntnangncnc 240
atggncnana tgcgtcnnta ntgtgngntn gccccgtntg nntctcatgn nnctnnnnna 300
atncnncnac cncctcganc nnnataacnn tnnnctcnng ncntaganta cnngaaagcg 360
ctctatcnac atccntaggc tanagtcanc ccncnnnntt ctntnntnat ngaanntncn 420
ncntntnntn tanaaacgat nctncanata ngacnctccn ctngnntaaa tgantattnn 480
cntcgcaann atccaccata tnacgtngct caanagnngt tncttnatac tacannnacc 540
nnattgncgg tnnnnacntc acacgctgaa agtgnggacn nacacgntct anctntgnga 600
gtantntaca ccntaanatg tgatctntca acncgcatct gtacatcgcg ncgannanca 660
cnnanngatc ncatnaatnc gtnacanctt anantcnana tnatnnntcg cncacaggnt 720
cnancctgga ttnnatnagn nnatgtntat nntcactann atntggcncc nnnganggcg 780
cgacnancnt ngantangag ngntatctgt gganncatan atcntngcca cnaggtacgc 840
nnccacntna ccgcgcngat naagangagt ttnacnatta cattanagtg ngtacgcttt 900
ncatanaact ntaannatcn agtataacna gancgnataa tctntttgat nnnntctacn 960
cncgcatgca actcnncntn ntatacncnc tgcgntcnac ntcnngantg canancngna 1020
tgtnnnnatc nnancacgac atgtatctac gnaggnatnt ttatntntga ctattcnntn 1080
tancgnncga ctgtgtnntt anntnngcaa ttgtgcncat tgancgtaaa atatntacga 1140
ctcgttcgcg tatacnncga ctcgttcncn gcatttacta ngcantttcc nctcgctaaa 1200
natccnngcc tnnangagtg tacntcgtct cgagtcgcgn cnntacncgn actgtgngng 1260
antnananct nctntntatn cgnncgcnat cgcgcncgca tatgaccnna nntctcgcaa 1320
gtatcttcca tagcacntaa ancntgnntc tntacnatna antnnctnta cttctcantt 1380
ttatacaatn nantcgntnc tannctnncg catntacgaa cngcgcnnnc atgantntac 1440
anncgctgnc gtncngcgnt annccanant gtccgctnac tcacantang tncanngctt 1500
agtcnngacn cacgtgntaa tgntcgatcg nagcctggcg acatagncat tncgtgatna 1560
nntnnnncttc ntcncgacgc nctnnncc 1588

<210> 1609
<211> 736
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(736)
<223> n = A,T,C or G

<400> 1609
ttcgatacaa ctcttgttct ttttgcagga tccctcgatt cgaattcggc acgagtgatt 60
gatgagggct gtcggccagg aactgatcga gcttgttaat tgcatttgtc aaatgcaggg 120
aaattgggaa ttagtgaaat cggagaaggg ggtttggaaa acaaatgact cgtgcctaag 180
gaaatttttt gcaggaaagt atctcaggag cccctgcagt cagggagctg ctggtgtgga 240
ctcagactac atggttgaaa taggcaggag ctgggcgggg cacagtggct caggcttgta 300
atcccagcac cacactttgg gagacggagg caggcagatc acttgatgcc aggagtttga 360
gaccagtctg gccaacatgg tgaaacctgt ctctactaaa aatacgaaaa attagctggg 420
tgtggtggca ggcacctgtn atnccagcta cttgggaggc tgaagcanaa gttgcagtga 480
gcccgagatg gtgccatttg cactccancc tgngcaacaa aaagcnaaac ttncatctaa 540
aaanaaaaag gaaagaaaga aatttngcng ggaccccaag cttacattct ttccttttg 600
gtaaaactgg ttggggaaat gggttnncct tccgtgaaga anccancaag gtagggtcna 660
tctttncttc ccccccttnag gacatttggt tttgccngaa tctttaaaaa naaaaaatan 720
aaacnactnc ttnnct 736

<210> 1610
<211> 710
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(710)
<223> n = A,T,C or G

<400> 1610
canatacagc tcttgttctt tttgcaggat cccatcgatt cgaattcggc acgaggggga 60
gtaacagaag cctggataca attactctat caggagatga aaggggactt tggggagact 120
ggaatgntga aattgtttta taattcttca gtagaacaga tctgggatca cagttttaca 180
ggggcagaga tttaagttgg ccctctagtt atggagacac tcctactggt ttctataaaa 240
ggaatactta cattgcccaa accagtgcat ttcaaatctt cagcccaagg aangttccaa 300
cgctattgaa tttatggaaa cgtttgtatt tgctattaaa cttcaaaatc tacaaactgt 360
aagacttgta tttaagattc aaacccagac tcccaggaag aaaaccattg gagaatgctc 420
aatgtcactc agaaccctta cacacaggaa atggattact ctttggatat aacaccacct 480
tcaaaaattt ctgtttgcca tgccagaact tgaattgggg acttgttttc aagcagtaaa 540
tagcagaatt cagttacaaa ttcttggagg cacggnacct ttccaagctc atcaacacct 600
ntgaactttg agtttttcg tgaanggngg ggaatgttta acctcnggag aagttgattt 660
atnaaaaaaa agacacgctt acttgaangg cctccatggg aanantcaaa 710

<210> 1611
<211> 714
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(714)
<223> n = A,T,C or G

<400> 1611
tnnaatntca natacancta cttgttcttt ttgcaggatc ccatcgattc gaattcggca 60
cgagaatgga tgctcatata ttgcttatgg atattttgga taccaaagta ggaataactg 120
gacattcagt attttaaagc tggcaaacct gtacatagaa aatagatccc cagacagtgg 180

tctatgaaga gggcagttaa gtatcaaatc ttaattttct tgccttttt tcttaagtgg 240
ggaaaagttc tagatctctt acacctctga cacaatctgt tctaaaacag gcacttgtaa 300
tgttggggcc tccttgtaaa cgtgtttttg ccctttactc tctgggatta caggcgtgag 360
ccagtgcacc cggcggaatc ttggaatttt tatagacagc acctcagttt ctgactccag 420
ccgcacacct tctgcctcta ccagcanggg ttgccgccag accagaccag ggccaggtcc 480
ctgcgtccat ccccccggta ggatggacgt gagccatcct tctaggggac ttttttcaat 540
gtgcgaactc gtctcttgtt aggtggtang aaccagtttg tntggnctgt gccacgcctc 600
cacaatgccg tggctgggct tcttgtgtgg tggnctgtgg tccccttgtc cctgcangaa 660
nccaacaagg cattcgtggc gtggacaact tgtgttccaa anccactggc ccgg 714

<210> 1612
<211> 698
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(698)
<223> n = A,T,C or G

<400> 1612
tncanantta nctcttgttc tttttgcagg atcccatcga ttcgaattcg gcacgaggta 60
tgccccttca gaacatgcag agtgtatctt tttttaaatt tctccttccg tttcttaagt 120
attgcgcaga tttgttcaac tttgtaaata tggacatcac tttttttttc tttgagaaaa 180
cacttgtatc agctttgtgg tgttttcagg gagacagctg tctgcattcc ctgtagaaac 240
ccagcaatga ttatgcacgt tgagacatgt gctttttatt tcttagcaag atattttatc 300
tctgtacata aagtagaaac caaaagctag ggaaacagat actctttaca ccatcatgcc 360
acgcattgtt tttaaagcat tgcgttaaaa aaaaattaac taaaccaaga tgctgtgatt 420
ttttaagttg caatatgttt ttggtttttt tcatttttta atcattgcag ttaagagaaa 480
tggaaattaa gttgtgttaa atcttgcaga atgtttgcag gactgactat caaactggat 540
gatttccatt tatccctact gngtcaggtt caagcatcaa aaatcccttg cntctgagac 600
agacttncta ncatcaggga cagggatctg gtgtgtcatt atacaaaaca gtctaggggg 660
tggaactncn tagtaaaaaa ataaaataaa tggncctt 698

<210> 1613
<211> 698
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(698)
<223> n = A,T,C or G

<400> 1613
ttnnanttca natttgactn cttgttcttt ttgcaggatc ccatcgattc gaattcggac 60
gagaacaaca aaaatctgaa cagaaatgct ctatttacgt tcttttcctt atctgtagtg 120
ttttaaagtc attaaactta aaaatgatgt tcaggagaag atgagtgtat ttgcatagtc 180
tgtcataact ctggtattat tttgtacaag gagtgtgtta gggttttcag ttgtaaccat 240
gcagaaaatc tacaaaataa aagcagttgt taattagtcc tttacaatca gaattgtcta 300
ttttggaaat ttatgaagta cttcagatgt aatttaagaa attgtatttg agccaagcgt 360
ggtggctcac acctgttatc ccagcacttt aggagcctga ggcaggtgga tcacaaggtc 420
aagagttcga gaccagcctg accaacatgg tgaaacccca tctcaactaa aaatacaaaa 480
cttaactggg ccgtggtggc gcgcgcctgt aatcccacta ctcaggaggc tgagtcagga 540
gaattacttg aatctaggag gtggaggttg cagtgagccg agatcacgcc ctgcacttca 600
cctggaaang angggaaagg gaaaggaaan gggaaaagga aanggaaang ggatggtttt 660
caggctgggc acggngntta cgcctgtaat cccacact 698

<210> 1614
<211> 701
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(701)
<223> n = A,T,C or G

<400> 1614
ttcntatcag ctcttgttct ttttgcagga tcccatcgat tcgaattcgg cacgaggcaa 60
cgaaataatt ttaaagtgga tctgggttgg tagtgcttat gggagttagg caaggaaaaa 120
tgcagattct ctttagaata tcttcaccta ggtcccaaag gattctcata gatagatttc 180
caacaaatat gaggttataa taaaaaatac aaatcacata tagaagtatg gcaccatgaa 240
tgagaaagga aaaactgtca gaacaagacc ctcaagactt tactggaatt aacaagcaat 300
atgtaaagta aatagaaata agctattcat aataagaata atgtataaga gactactaaa 360
aataactggg cagatttgaa aataatctaa gttctgggaa tgaaaataat aactgaaaaa 420
cagctganag agagaattaa tgaactaaaa gaaagttgtt tagagattat ccagaaatta 480
ggacaaatca tcataaagaa aatatgggta gaaaaggtta agatggaagg ataaggcaag 540
tgcttancat atgtccagaa ggaaataata gaaaaaaatg tnttaattcc tccncactgg 600
taaaagacat gatggctcag attcagggaa ttgtacccat ctcaaaaaaa aaaaaaagga 660
angaaaagtg gccaggggaa atccttatta aaatccntgt g 701

<210> 1615
<211> 791
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(791)
<223> n = A,T,C or G

<400> 1615
ttnanttcan attnanctct tgttcttttt gcaggatccc atcgattcga attcggcacg 60
agatccctac ctagaagaga atagatggga agagaactga aagaaagaat tcctcaagca 120
ctgaagtcag gaaaatcccc gtaggcactg tattagttgt tccatttatc ccagcactcc 180
acttgtggat gaaggagttg tatagaaagg agatgagaaa atggcaggag tggaagcagc 240
caagaagaga tcgatgactg aagatctcct tcaccttcag gactgtctca aggggttatt 300
tcacctctac tcatgaggat ggccagtttt tctgtctttt atctttagac ccatatataa 360
tcagttcaga gcacaaatca aaataaactg gcctaaataa ctgaatctag gaacaaagct 420
acatcttttt tcatatgcca aagctctgtt tcctcatgtt gttcctactt ttttaaataa 480
taaatgggct tctcaaccat cttaaggaac taagatgggg tccccatctn gggtagnaac 540
ccggcttnta antttttaag aaatcactct tggtaaattc tttancctca ctttaaaaat 600
anttanggaa aaccnccggt tnanttngga aaaaaggaac cgggggnaga aaccttcgtt 660
cntggccagg gnttttttngg ccaagtggaa aaantttggg tcntttnccc aggnggnaaa 720
ttggcctant taanttttttc caaaaatttg gcccttatta ggtccaaaaa aaagcctttt 780
ttncccnttt g 791

<210> 1616
<211> 741
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(741)

<223> n = A,T,C or G

<400> 1616
ancccnttga aattcacata caagctactt gttctttttg caggatccca tcgattcgaa 60
ttcggcacga ggtaatcctt tctttttctt ctccctcttt cctgctctta cttatacagt 120
taggtgaata tgatgctcca cttcccccac agatactcaa atagctctga ctgctgaaat 180
attggtatct tactgtcagc acataacttg ttgctgtgtt attgacattt tcactgtttt 240
gaaatttta ctgttatctg ggtttgaatc ccagctctcc caagcttcag ttttctttca 300
tttgtcaaat gagataaaag tatccacttc atagggttgt tatgaggatt aatgatgaat 360
acaaaacact taacatagta cgtggcatgt aatattagtt gtaaagttaa tgtattcatt 420
atcatcattc tgtttcaaat cagcaatgaa atacagacta cactaatccc atttctgctt 480
ggaattgtga gtctaaatgc catgtagcag ttccctgctt gaaatacact gtaaaccttc 540
caattgcagt caagaatttt actaccttct anggtatacc agggatggtg ggaacataag 600
taaaccttgg agatttggct tttccccgtg gtttgggaat tctaanccct ttctaccaaa 660
aaaggtaggt aaccccctaaa aatttctaat taccatgccc caccntggat ggcctncctn 720
ccaattaaaa actttcagta a 741

<210> 1617
<211> 738
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(738)
<223> n = A,T,C or G

<400> 1617
ttnanttcan atcanctctt gttctttttg caggatccca tcgattcgaa ttcggcacga 60
gccctatctt atgagaaaag taactttgaa aggactaata catcctgttc ttagcttctg 120
cttccttcag gccttctcta tgaagccagc ctattctgct cagcgctttg gaacactgat 180
tctatttcat ggaccgaagc attgcccaat tgtagaattg caataaagcc aactgagatc 240
tttaaattgg ctataattca tcctttggca atacagtaaa aaaaaaaaat tctcacaatt 300
ctgtagaagg gtatgagata tacaataaaa gacaccccca ccctctgcaa tctaccactc 360
acagtagttt atctggtggt ttccactttt taacaatggg tctgggccag gtgcagtgac 420
tcactcccgt aatcctaaca ctttggaagg tcgaggcggg caggttgcct gagctcanga 480
gttcaagacc aacctgggca acacagtgaa acccctgtct ctactaaaat acagaagaaa 540
ttaacccggg tgtggcggca tgcgcctgta gtcccagcta ctcgtttggg ctgangcaag 600
gaaaaattgc ttggaaccca ttgangcaaa aggnttgcag tggagcccaa aatcaatgcc 660
ggttggnact ttcaaacctt ggggtggaca aaaaccgaag aacttttgtc ttntttaaaa 720
aaaaattaaa tttaaaaa 738

<210> 1618
<211> 722
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(722)
<223> n = A,T,C or G

<400> 1618
gnntttnann nccntttnan tttcanatac anctacttgt tctttttgca gggatcccat 60
cgattcgaat tcggcacgag atcatattca agttggcagg tttgactgtt cctctgcacc 120
agacatctgt agtaatctgt atgtttttca gccgtctcta gcagtattta aaggacaagg 180
aaccaaagaa tatgaaattc atcatggaaa gaagattcta tatgatatac ttgcctttgc 240
caaagaaagt gtgaattctc atgttaccac gcttggacct caaaattttc ctgccaatga 300

caaagaacca tggcttgttg atttctttgc cccctggtgt ccaccatgtc gagctttact 360
accagagtta cgaagagcat caaatcttct ttatggtcag cttaagtttg gtacactaga 420
ttgtacagtt catgagggac tctgtaacat gtataacatt caggcttatc caacaacagt 480
ggtattcaac cagtccacat tcatgagtat gaaggacatc actctgctga acaaatcttg 540
gagttcatag angatcttat gaatccttca gtggtctccc ttacacccac caccttcaac 600
gaactagtta cacaaagaaa acacaacgaa gtctggatgg ttgatttcta ttctccgtgg 660
tgtcatcctt gccaagtctt aatgccaaaa tggaaaagaa tggcccggac attaactgga 720
ct 722

<210> 1619
<211> 702
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(702)
<223> n = A,T,C or G

<400> 1619
ttnanttcan attgactctt gttctttttg caggatccct cgattcgaat tcggcacgag 60
gaactaatga aaagtggttg tctctaacct tggtatgctt tcagagcntc agggttaaat 120
tacctcaact tttggcaggt ntactctaaa gctattaagt atntaatatg ggctcggcat 180
ggtggctcac acctgtgagc cacctancac tttggcagtc caaggcggac agatcacttc 240
aggtcaggag tttgagacca gcctgtccga cgtggtgaaa ccccatctct actaaaaata 300
caaaaaccga ncgtggtggg tggcatgcac ctgtggtccc actacttggg aggctgaggc 360
agganaatcg cttgacccag gaggcggagg ttgcagtgag ccaagactgt gccactgcat 420
ttcagcctgg gtgacagagg gagactgtct caaaaacaaa aaaacaaaaa acaatggctg 480
ggcacggtgg ctcacgcccg taatcccagc actttgagan gctgaggcgt gcgttatcac 540
cttgaggtca aatgttgaan accagcctgg tcaaacttgg tgaaactgtc tntaccaaaa 600
atacaagaat taggtggaca tggtgtcggg ctctgtaatc tcaacttatc aggangctga 660
ggcaggaaaa tggctttgaa cccaaggang tggaagttca at 702

<210> 1620
<211> 1028
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1028)
<223> n = A,T,C or G

<400> 1620
ttgatctttg attcnatcaa ctcttntctt tgaggatcca tcgttcaatt cggcacgagc 60
cgcnactctg nncgccgtgg tggacaacgt gccccccnttn cnctggangg aattcgtncg 120
gcgcctaggg ntgaactnga ccacgatatc cgatnggcat ggagctgnaa gaacagggcg 180
ctgnccttgn gccnagggcn gcnaatacan tnatgcttnt cgnaacctgg gaaangctgg 240
ntgcaactcc cnnatgggtt tcggaagngn ccaacggctt ggggnaaacc ttgccttggg 300
gaaacgtccn nttgtcttnc ccggatntaa ccaattnggg aacccccttg gctttngggg 360
gncnttggcn cctnnggggа annggaacca ttttccnata tnnggaaang gccccccnctt 420
nttttggncg gaagcccccc anncccttnc ccntttcccc tggttgcncg gcccgacctc 480
caaattgcct ttttttttnaa ataattgcaa anggccttga ccccccccccc ttnantgngn 540
ccaggctttt taaaanggaa cccggttccc ttgntaaaaa atcnaccctt tacccnaacc 600
cccaactttt nttttttntt ggaaaaaaag ggaaangggg atccctggcc atgggngcca 660
aantcnaagt anacttatcc aaaatccgga gcttnacctt ttgnttggct ttaaacccca 720
anttcggatt nntaccanta aacttttttc ctttnaaaac taaatccttg accnncgncc 780
ntctcttaac aattaaaanc ntccttgttt ncctcctcca naaaaaagna tnnttnccnc 840

cccanagnng ccttcaaaaa aaaccnttgn ggtgggggtn gggattttng ggaaggaaan 900
anaagggaac ccnttttgcc ttnaaagccc cntnttttgg ggttttaact gaacnaaanc 960
caaggtttgt ttngnaggcc ccctngggnc canncccttt aanccntttt tcaccaatng 1020
gcantaan 1028

<210> 1621
<211> 749
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(749)
<223> n = A,T,C or G

<400> 1621
ttccattcaa actncttntt anctcttggn ctttatgcag gatcccatcg attcgaattc 60
ggcacgaggc ggctcttttc cctcgtgact cggttgctcc tggcgccgcg acggggcctc 120
acggtccgca gtcccgacga acccctgccg gtggtgcncn ttccaaaaaa gctcccgaga 180
cntacttttt tgcacagaca tagcctntcg gggcctggac agcactggtg tggagctggt 240
tgtcaattat gatttccccc cacgcttgca agattacatc cacagagcag ggagagtggn 300
ccgtgttggg gagcnaggtg ccaggcaccg tcatcagttt tgtgacccat ccctgggatg 360
tgagcctggt tcanaagatt gagctggcgg ctcgccgaag gagaagtctt ccaggactag 420
catcctcggt gaaagagcct ttgccccaac aacctgattt tgacaaatct gattaaaatg 480
tgatgctaga cagggatctt tcccagtatc ttgagtgggg tgaccacact ttgtcagtgg 540
ggaggcttnt gggcttgccc ttgtcngctt ccttgagggc cgggatgaac tgcttttgtg 600
aactttggaa aaggtacccc tgcttggncc agcatttggg angaaaaaaa cctgcttgaa 660
ncattggctt ttcttgtaag tcntttaanc aaagaacaca aagtgggatt ttggactttt 720
ggantcatgg tcattgaatt tcttaacaa 749

<210> 1622
<211> 707
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(707)
<223> n = A,T,C or G

<400> 1622
tttnatncnt ttacaactct tgttcttttt gcaggatccc atcgattcga attcggcacg 60
agctgatcct ccgcttccag aanganctga aggagatcca gtacggaatc agagcccacg 120
agtggatgtt cccggtgtga actgcaggct gtgctccaga tccaccgacc cgtagcatct 180
cgtcacgcca gcactcgcct ccctaccaat gactcacctg aaattgaaac gggcaggaaa 240
tagtctggca gcctctacag cagaagaaac ggcaggcagt gcccagggtc gtgcccagga 300
ggctgagcag ctgctacgcg gtcctctggg tgatcagtac cagacggtga agccctagct 360
gagcgcaagg cccaaggtgt gctggctgta caggcaaggg cagaacaact gcgggatgag 420
gctcgggacc tgttgcaagc cgctcaggac aagctgcagc ggctacagga attggaaggc 480
acctatgagg aaaatgagcg ggcactggag agtaangcag cccctcgtcg cgggttcang 540
tccgcccatt actnctttgt cgtgcngtca aaggatacac ctttgccccc gattnccgga 600
tcttnttccg ttctcangcc anaacccctg gtgcttgccg gtgaattttt tttttctctg 660
gctttgcttg caatttttga aaataaaatg nccnaaaaac aaaaaat 707

<210> 1623
<211> 707
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(707)
<223> n = A,T,C or G

<400> 1623
ttnaannccn nnttgaattc atatacagct acttgttctt tttgcaggat cccatcgatt 60
cgaattcggc acgaggagag agagagagag agagagagag agagagagag agagagagag 120
agagagagag agagagagag agagagagag agctnacacc agaagaacaa ttagcagata 180
aactgcggct aaagaaatta caggaagagt cagacctcga attagcaaag gaaacttttg 240
gtgttaataa tgcagtttat ggaatagatg ctatgaaccc atcttcaaga gatgacttta 300
cagagtttgg aaagttacta aaagataaaa ttacacaata tgaaaagtca ctatattatg 360
ccagtttttt ggaagtctta gttcgagatg tgtgtatttc atgtaaagta attctaattt 420
ctagcccctc tgggtagatt tttagtagga tgttctcttc aggaggttga aggttatttt 480
ttattttcaa ggatactata atacanactc atgatttgct gtttttagca attaccttgt 540
gaatgttgtc tgcanatcag tgaatttgag tgctggatct ttttgtttgt tgnaggggta 600
agaagacttn ttgtttacaa tggcttccct taaaanatac ctgggcttgt caccaaagca 660
nttaataaaa cactggcctn ttnttttaa aaaaaaaaaa aaaaaaa 707

<210> 1624
<211> 683
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(683)
<223> n = A,T,C or G

<400> 1624
ttganttcgt tcagctcttg ttctttttgc aggatcccat cgattcgctc agccctcggt 60
caaaagaatc tgttccagaa ttcccccttt cccctccaaa gaagaaggat ctttccctgg 120
aggaaattca gaagaaatta gaagctgcag aagaaagacg caagtcccat gaagctgagg 180
tcttgaagca gctggctgag aaacgagagc acgagaaaga agtgcttcag aaggcaatag 240
aagagaacaa caacttcagt aaaatggcag aagagaaact gacccacaaa atggaagcta 300
ataaagagaa ccgagaggca caaatggctg ccaaactgga acgtttgcga gagaaggata 360
agcacattga agaagtgcgg aagaacaaag aatccaaaga ccctgctgac gagactgaag 420
ctgactaatt tgttctgaga actgactttc tccccatccc cttcctaaat atccaaagac 480
tgtactggcc agtgtcattt tatttttcc ctcctgacaa atattttaga agctaatgta 540
ggactgtata ggtagatcca gatccagact gtaagatgtt gtttaggggc taaaggggag 600
aactgaagtg ttttactctt tttctaagtg ttggctttct atgnactatt ttcttgtgct 660
ctttttactt cntcacttgg ggn 683

<210> 1625
<211> 707
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(707)
<223> n = A,T,C or G

<400> 1625
ttgatncntt acatttnatc ctttttttgca ggatcccatc gattcgtttg gctctacttt 60
gcagggaatc tggcatcggg tggtgccgca ggggcnacat ccctgtgttt tgtgtaccct 120
cttgattttg cccgtacccg tctagcagct gatgtgggta aagctggact gaaagggaat 180
tccgaggcct cggtgactgc ctggttaaga tctacaaatc tgatgggatt aagggcctgt 240

ccaaggcttt aacgtgtctg tgcagggtat tatcatctac cgagccgcct acttcggtat 300
ctatgacact gcaaagggaa tgcttccgga tcccaagaac actcacatcg tcatcagctg 360
gatgatcgca cagactgtca ctgctgttgc cgggttgact tcctatccat ttgacactgt 420
tcgccgccgc atgatgatgc agtcagggcg caaaggaact gacatcatgt acacaggcac 480
ccttgactgc tggcggaaga ttgctcgtga tgaangangc aaacttttt caagggtgca 540
tggtccaatg ttctcanaag catgggtggn gcttttgngc ttgtcttgna ttgatgaaat 600
caagaagttc accntaagtt tatttcctan gatttttcc ccctgtgaaa caaggcattg 660
ttggaantta atatnaacaa antctttgaa ncatttttt gaacana 707

<210> 1626
<211> 700
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

<400> 1626
ttgacttcgt atacaatntc ttgntctttt tgcaggatcc ctcgattcga attcggcacg 60
agcgaagtcg ggatcgaaga aagatcaaaa agccgggatc gaaagtcata taagcacagg 120
gagcaaaagt cgggacagag aacaagatag aaaatccaag gagaaagaaa agaggggatc 180
tgatgataaa aaaagtagtg tgaagtccgg tagtcgagaa aagcagagtg aagacacaaa 240
cactgaatcg aaggaaagtg atctaagaat gaggtcaatg ggaccagtga agacattaaa 300
tctgaaggtg acactcagtc caattaaaac tgatctgata agacctcaga tcagacagag 360
gactactgtt cgaagatttt tggaagaata ctgagaacgg cataaagtga agatcgacat 420
ttaaaaaatg aggtgaaaga aagctatagt ggcatagaaa aagtataaag ctcagttagt 480
ttttttatta ttattattat taaaagttaa ttcaggactg atgtgaccta ccagatttca 540
gaacatgtgt taatagtata tatgccactg aaaacttagg tcctgtatca tacttttttc 600
tttaagactt tttaagaaat attacttaaa ccttgtggct tgctcagtgt tttaattgcc 660
agtttcaatc ttggactttg aaacaggatt aaccgtagtn 700

<210> 1627
<211> 703
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(703)
<223> n = A,T,C or G

<400> 1627
ttanatacaa gctacttgtt ctttttgcag gatccctcga ttcgaattcg gcacgagctt 60
gagtctagga gttcaagacc agccttggca acgtggctaa accccattgc tacaaaaata 120
tatatataca aaaaattagc tgggagcggt tggcacatgc ctgtagtccc aactactcag 180
gaagcccgan gtgggagaat tgcttgagtc tggggagcag aggttgcagt gagctaaggt 240
catgccactg tactccagcc tgacagagca agaccctgtc ccccgacaaa aaaaagcatc 300
atgagcaact ctcccaaggc tggcccctgc acatgtcttc ccatccacca atagagtccc 360
agttcatagc cattgtcaca ccattgtcct gtcttcctct caactgaggg tgatgtttag 420
aggcatgatt tctatctaat attgaagcca gaggctcttc caacattttc cagagtcttc 480
ttgtagaaaa ggagctatgg atgtttcctt gaaaacangc cccgattcct gtgacacacc 540
catcacatgt tgctcaaagc tatcccaaga tattaccaaa tattggacat cctgtcctgg 600
gtgagcaggt agcagtgcta aggtaagaca aagttnccag ttctgggagt cttcctactt 660
ccaagaaggc caatccttga gcagtgtgga ttnctgtggt tat 703

<210> 1628

<211> 715
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(715)
<223> n = A,T,C or G

<400> 1628
tttgaatccc tttacaactn cttgttcttt ttgcaggatc ccatcgattc gcccctgttt 60
acagcaataa gcacgtcctc ctccccnact cccattccag gattgtggtt tggattgaaa 120
ccaagtttac aagtagacac ccctgggggg gcgggcagtg gacaaggatg gcaaggggtg 180
ggcattgggg tgccaggcag gcatgtacag actctatatc tctatatata atgtacagac 240
agacagagtc ccttccctct ttaacccccc gacctttctt gacttccccc tcagcttcag 300
acccccttcc caccangcta ggcccccccac acctgggggga ccccctggcc cctcttttgt 360
cttctgtgaa gacaggacct atgcaacgca cagacacttt tggagaccgt aaaacaacaa 420
gcgcccccctc ccttccagcc cttgagccgg gaaccatctc ccaggacctt gccctgctca 480
ccctatgtgg tcccacctat nctcctgggc ctttttttnaa gtgctttggg ctgtgacttt 540
catactctgc tctttagtct aaaaaaaaat aaactggaga tnaaanttnn nnntnccaaa 600
nnnnnanant tnngnnnnnc anngnnnnnn nnnnnnnnnn aaantnaatt tnnntnnnan 660
ttgtntnnng ctnttanaaa tanantnnac ccttnccttnt ataaaatttt gnnng 715

<210> 1629
<211> 694
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(694)
<223> n = A,T,C or G

<400> 1629
ttcanataca agctacttgt tctttttgca ggatcccatc gattcgaatt cggcacgagg 60
cctacactag tgaattaatc tgaaaggcac tgtgtcagtg gcatggcttg tatgcttgtc 120
ctgtggtgac agtttgtgac attctgtctt catgaggtct cacagtcgac gctcctgtaa 180
tcattctttg tattcactcc attcccctgt ctgtctgcat ttgtctcaga catttccttg 240
gctggacaga tggggttatg catttgcaat aatttccttc tgatttctct gtggaacgtg 300
ttcggtcccg agtgaggact gtgtgtcttt ttaccctgaa gttagttgca tattcagagg 360
taaagttgtg tgctatcttg gcagcatctt agagatggag acattaacaa gctaatggta 420
attagaatca tttgaattta tttttttcta atatgtgaaa cacagatttc aagtgtttta 480
tctttttttt ttaaatttaa atgggaatat aacacaagtt ttcccttcca tattcctctc 540
ttgagtttat gcacatctct ataaatcatt aagttttcta ttttattaca taaaattctt 600
ttagaaaatg caaatagtga actttgtgaa tggatttttc catactcatc tacaattcct 660
ccatttttaa atggactact tttatttttа aatt 694

<210> 1630
<211> 908
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(908)
<223> n = A,T,C or G

<400> 1630

gaaaaccctt ttgaaatncc cnnnttnaat tcanatacaa gctacttgtt ctttttgcag 60
gatcccatcg attcgaattc ggcacgaggt ggcaaagctt catccagtct aggtcttcag 120
gattttgatt tgctccgggt aataggaaga ggaagttatg ccaaagtact gttgggttcg 180
attaaaaaaa acagatcgta ttttatgcaa tgaaagttgg tgaaaaaaga gcttgttaat 240
gatgatgagg atattgattg gggtacagac aggaagaagc atgtgtttga gcaggcatcc 300
caatcatccc tttcctttgg ttggggcctg canttctttg gcttttccag nacaggaaaa 360
gccaagaatt ggtttctttt ggtttantaa ggaagttant ggttaaaaat ggggaaggga 420
agaacccnta aatggttttt ccantaatgg ccaggccgga accaaaaagg aaaaaaacct 480
tttcccntgg naaagnaaaa ccaattgncc ccaagaaatt tttttaacnt tcttggccaa 540
gaaaaaaatt caaagttcct taagcccant tttaaaaaat ttaattcctt ttcnattgga 600
agcccgaaag gggaattaaa nttttnanta aggaagaatt ttgnaaaacc ttggggacca 660
aatggttatt taacctgggg acntcntgga aaggcccacc antttaaaac ntccactgga 720
cccaccggcc attgtgttaa aggaaaggat ttaccggcca gggnaagata ccaaccagca 780
ctttctggng gtacctncta attacatgct cctggaaatt ttaagangag aagattatgg 840
nttcaatgtt gactggtggg ctcttggagt gctcatgttt gaagatgatg gcaggaaggt 900
ctcctttt 908

<210> 1631
<211> 710
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(710)
<223> n = A,T,C or G

<400> 1631
gaancccttt nnnnttnnaa ttcananaca ngctacttgt tctttttgca ggatcccatc 60
gattcgaatt cggcacgagg gaactaatga aaaagtggtt gtctctaacc ttggtatgct 120
ttcagagcat cagggttaaa ttacctcaac ttttggcagg tatactctaa agctattaag 180
tatataatat gggctcggca tggtggctca cacctgtgag ccacctagca ctttggcagt 240
ccaaggcgga cagatcactt caggtcagga gtttgagacc agcctgtccg acgtggtgaa 300
accccatctc tactaaaaat acaaaaaccg agcgtggtgg gtggcatgca cctgtggtcc 360
cagctacttg ggaggctgag gcaggagaat cgcttgaacc cangaggcgg aggttgcagt 420
gagccaagac tgtgccactg catttcacct gggtgacaga gggagactgt ctcaaaaaca 480
aaaaaacaaa aaacaatggc tgggcacggt ggctcacgcc cgtaatccca gcactttgaa 540
aggctgaggc gtgcctttat cacctgaggt caagatgttg aaaaaccacc tggtcaactt 600
tggtgaaact gtctctacca aaaaatacaa gaattangnt ggacatggtg tcnggcttct 660
gtaatctcaa cttantcang aagctgaggc angaaaaaat ggctttgaat 710

<210> 1632
<211> 700
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

<400> 1632
tttgaaaccc tttgnnantn canttcanan acaagctact tgttcttttt gcaggatccc 60
atcgattcga attcggcacg agagatacat tgaactcttc aggagcacag cagctgaagt 120
tcagcaggtg ctgaatcgat tctcctcggc ccctctcatt ccacttccaa cccctcccat 180
tattccagta ctacctcagc aatttgtgcc ccctacaaat gttagagact gtatacgcct 240
tcgaggtctt ccctatgcag ccacaattga ggacatcctg gatttcctgg gggagttcgc 300
cacagatatt cgtactcatg gggttcacat ggttttgaat caccagggcc gccatcagga 360

09/544,505

gatgccttta tccagatgaa gtctgcggac agagcattta tggctgcaca gaagtgtcat 420
aaaaaaaaca tgaaggacag atatgttgaa gtctttcagt gttcagctga ggagatgaac 480
tttgtgttaa tgggggggcac tttaaatcga aatggcttat ccccaccgcc atgtaagtta 540
ccatgtaagt ttttcttggg tcttggcgct attctacgct atatgctggt aggtgcttaa 600
gctgctttcg taactttctg gcccctggtt ctttctgagc aggtgaggtg gttatataag 660
gctcttccat ctgtaatcag tagtacctgg taatcattta 700

<210> 1633
<211> 670
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(670)
<223> n = A,T,C or G

<400> 1633
gntnaccnnc cngnncnaaa nnacgcatnn gngngnntgg ctnannntng catttttagt 60
agagatgggg cttcacaatg ctgcccaggt ttttcnngaa ccgctgacct taancgaggn 120
gnctgccttg gcctccccaa ggtgcnggaa tnacaggcat gagccaccgn gcccggatga 180
canccgtatt cattaagtgt ctntncgnga cagnctaatg ancnagctan cnnncatgga 240
agtgcaatgc cnncanngtn ngttnttnan ncctnaancn gntgggncca ggtntatnaa 300
cnanctnaca nncctgngta gagagggact acaggcgcat gccaccacac ctggctattg 360
tggattttaa naaatttttt ttgtanagac agggtcttac tatgttgccc aggttgttcn 420
tganctcttg ggctccagag agccttccat ctcagcctcc caaagtgcnt ganatnatag 480
gcgtgagcca ccacncttag cccattgtna ctttttagag ctctaatact tcctttaang 540
gcactaaaaa ctcaatctta aatccagttg ntnttcattt gggtgaatga aatggnaggg 600
accctcctta attttttttc caggtttttg ggattgaana aatttcaann atcttcaaag 660
cgacctaaan 670

<210> 1634
<211> 716
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(716)
<223> n = A,T,C or G

<400> 1634
tcccntatac aagctacttg ttctttttgc aggatcccat cgattcgaat tcggcacgag 60
ctttaaacaa aaaatatgtt atcctacaca ttagtgtcaa tccaatggtt gtctcttatc 120
tgtctaaata gcaaaatcat gaaaatcagc tgttttattt gcataggaca actaacctgt 180
ctgtgtaact ttgtttttat tttaactctt actagaaaat ctaatcttaa aacatttgaa 240
ttctaaacat gtaaaatgtg acagcctgca attttgtaga cagtgaagta atggctgcta 300
tttataaatg gaacatctat caaaataagt aactgtttat aaaattcagt ttttgtaggg 360
ttttccaagg aaaaatcacc ttggttgaat gtttctcact cattaaactt tgcagaagtg 420
attcatattc agtactgttt ttaatcactt tttaaaatat aaggaccgaa tgcaaggaaa 480
ccaaagttta ttaataattt ttatataact aaaataaaat agatgtggag ggatctgtga 540
tcatataaaa aggganggtt actgaaaaga attttagcaa tatattggtt tcagggaaaa 600
nggagctgtt tttattaaaa tggatccatt ccactggntc cctaatgggt tcctatggta 660
tcctttccaa acccggatta ccctttttact tatttttaaa aagnagccgg taaaat 716

<210> 1635
<211> 691
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(691)
<223> n = A,T,C or G

<400> 1635
accnnaaacc ctttgcaact ncttgttctt tttgcaggat cccatcgatt cgaattcggc 60
acgaggttgg cttccccggg agaggatttt gaggattaaa aatattcaga aacaaacaaa 120
agaacacaaa aatgcaaaca catggtangg aattactact gcttattctc aacagtacca 180
cagaaccagt gtttgagtgc tggcaccata tgcaacatgg ggcatccggg ctggagtgat 240
ccagtttttt agttggtggt ggcgatgatt tttctttcct tttggtttat aattttctgt 300
tcatttttcc ccctttctcc cccacattca ttaagaaccc tactgaaacc ctaggtgaca 360
aaaggtgtgc cttctgttgc cacatttgac ccaccacagg actcactgga ctggacttct 420
atttatattg tattaagtaa ctgatatata tatatatata tatatatata tatttttgat 480
tgacaccaaa aaattacctt ggcacaaatg ccagacctgt gaaggtcaga ggcccgctgc 540
ttcttccagg agggagggaa ctttttggtt gctgtggcaa ttcctctgta cagattgtaa 600
ctttttttaaa aatttccctt caccccccgtc acttgaatat atgttcatag taatttgtaa 660
gaatacttct ttttccttat tttgggtgca a 691

<210> 1636
<211> 686
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(686)
<223> n = A,T,C or G

<400> 1636
tttgaatccn tttacancta cttgttcttt ttgcaggatc ccatcgattc ggcagagttg 60
gccttttgcc cgtggtgtgc tagtancttt ggctgatgct aagctttcct ggtatgcgcc 120
ctatttttaa gaagtaattg cttttgaatt aagttatagc attactaatt catgttaatg 180
actaggaaac cctctgtaat ttacaagatt tttcaaattg gtggggagtg aataaataca 240
atttaaaaga gtcagaaatc agtttggcaa agtgtacttt cttaatttct atttatgatg 300
aagtatanca taatttattt gtaatactac tttatggtat accagtgaaa gaactgtagt 360
ataaaaaaga ggtattaatg ttttatgaaa tctcatgcat cagttcatag cataaaatct 420
agctggacaa ctaagaagct atggtagcaa acagtgatgt tgatggaatg agaatcatga 480
actttcatat tacctcaaag gatttttta tcagtttttt tcacacatca gaaaaaactg 540
actgtataaa cacttatcac tgacctttt ctatgtgnag ttttgccttt tatcttttcc 600
caaattttat aaagagaaat taatnaatat tttattacac attgtaaaaa aaaaaaaaaa 660
aaaaactcga gcctntagaa ctatan 686

<210> 1637
<211> 710
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(710)
<223> n = A,T,C or G

<400> 1637
ttccgtatac agctacttgt tctttttgca ggatcccatc gattcgaatt cggcacgagg 60
caaggtgcag tagctcacgc ctgtaatccc agcactttgg gaggccgaga cagggaggat 120

tgctttagac caggagttca ggaccagcct ggccaacaca gtgaggccct gtctacaaaa 180
aattaaaata atcacttaaa aaaatcaaat attcttgaaa aagtttagac ttgtaaaata 240
taatatgggg aaaatggaca tggtagaaat ganaaactac aaaataaaac acagacagac 300
agacctgtga ttggtaaata tttgataggg tccagaaaaa cttatggatg aatcaaatca 360
taattgtata atttgcctac aaaagaactg atccagatca aaataatttc aggagactaa 420
agtgaaaatg gaaacatttg gaantctgtt aaacaactgg cttaatgaac tttgctctag 480
aaaataccct ctcaatgaaa atgaactttg ctatggtata tttttctttt aaatagttgt 540
agtcatgaac atggagtcaa aatgctctct gggctatcaa ttttttctct taaaacaagg 600
cttttggctt gcattcccac aaggtcttta aataccgtaa ntattttccn ttatttnttc 660
cagaatcaaa antattttnc caaatccctt ttggggantt tcttctttcc 710

<210> 1638
<211> 685
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(685)
<223> n = A,T,C or G

<400> 1638
ttcanatcag ctcttgttct ttttgcagga tccctcgatt cgaattcggc acgagtgaaa 60
ttcagctaac cgagcagcta cggtccctca tccccaacga gggatgtgag aaagttcatg 120
tctcatgtta tctggacctt gaaaatggaa tgttcagaac acatgtgcaa gggagctgtg 180
ccaagctcat gtcgcgaaca ggcctcctga tgaagcttct cagcgagcag caggaagcaa 240
aggcattgaa tgtagaatgg gatacggacc aacaaaaaac aaattatatt aatgagaaca 300
tggaacagaa tgaacagaaa gagcagaagt caagtgagct catgaaagaa gttccaggat 360
atgactataa gaacaaactc atcttcgcaa tatctgtgac tgtcatacta ataattttga 420
ttataatttt ttgttttata gaggtaaaga caataattaa ttcaggtttt caaaatacaa 480
tcctgtgttt gtgtggattc agaatccaca aactgaaaac caacgtcact ttcccacttg 540
acattcttct tctgtcattt aaaggctgan gtgtgctttg ttcttttact gcaatgtata 600
ttccaggatt ggtaaaggat cctcgcttnc aggaggtctc tgtgaaataa aacccaagtt 660
aatcccaaaa aaaaaaaaaa aaaat 685

<210> 1639
<211> 683
<212> DNA
<213> Homo sapiens

<400> 1639
ttcgatcagc tcttgttctt tttgcaggat cccatcgatt cggaaagatt ctcaaggaag 60
aagtaataag gcattacatc tgaagagtga tgctgaattt aaaaagatat ttggccttac 120
taaggatttg agagtgtgcc ttactcgaat tcctgccatt tgacctctgg agaaggtttc 180
gattccttta gcagtttggt aaagagtggt acttacaaag agacagagtt tatggtgaag 240
gaaggagaga gaaaacagca gaattttgat aagaaaagaa aagcaaaaac taataagaag 300
atggatcaca taaagaagag aaaaacagag aatgcttata acgcaatcat aaatggggaa 360
gctaatgtca ccggttccca actcctaagc agtattttac caacttcaga tgtgtcacaa 420
cataacattc tcacgagtca cagcaaaacc agacaagaaa agagaactga gatggaatac 480
tatacccatg agaagcaaga gaaaggcctt tgaattcaaa tgcagcttat gaacaaagtc 540
atttcttcaa taaaaattat accgaagata ttttcccagt gacaccaccc ggagttagaa 600
gaaaccattc gagatgaaaa aataagaaga ctttaagcag gtgctgagag agaaagaagc 660
agctcttgaa gaaatgcctt aga 683

<210> 1640
<211> 689
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(689)
<223> n = A,T,C or G

<400> 1640
ttcanataca agctacttgt tctttttgca ggatcccatc gattcgaatt cggcacgaga 60
gaagaatttg gtataatcat gaaagccctg tggacaggac agtatagata tatcagtcca 120
aagggacttt aaaatcccat tggggaagat caatgaccaa gtttgcagga tacagtcagc 180
aagattcaca agaattgctt ctgttcctaa tggatgggtc tccatgaaga tctaaataaa 240
gctgataatc ggaagagata taaagaagaa aataatgatc atctcgatga ctttaaagct 300
gcagaacatg cctggcagaa acacaagcag ctcaatgagt ctattattgt tgcacttttt 360
cagggtcaat tcaaatctac agtacagtgc ctcacatgtc acaaaaagtc taggacattt 420
gaggccttca tgtatttgtc tctccactag catccacaag taaatgtaca ttacaggatt 480
gccttagatt attttccaaa gaagaaaact cacagataac aacagatttt actgcagtca 540
ttgcagagct cgacgggatt ctctaaaaaa gatagaaatc tggaagttac cacctgtgct 600
tttagtgcat ctgaaacgtt tttnctacga tggcaggtgg gaaacaaaaa attacagaca 660
tctgtggact tncccgtaag aaaatcttg 689

<210> 1641
<211> 683
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(683)
<223> n = A,T,C or G

<400> 1641
ttcananaca agctacttgt tctttttgca ggatcccatc gattcgaatt cggcacgagg 60
tttcttgtaa gtactctggg agtgcataat acattttaaa taagattaaa aattatgttt 120
tattcttact agcatcactg tcagataatt gagccgtgag agcattcagt gctgtgtgct 180
tggtaccgaa gtagtaacat caattcagtg ttcagtacat ccactttgtt ccagaacaat 240
gtattcaagg tcggtgtatt ttggctgtgc cacagagttc tggaaattcc caagagaata 300
agttttcacc tgttatataa tccagcacaa gtgactgtgt agcagcaacc tcatgtttca 360
tgatgacttt aaaatgcaat tgattctaaa atttagcttt taaaaatttc gacttcagat 420
tttctctgaa ggtttaaggt aggcttctcc tttattaatt tttttcaaga aatatttaag 480
aacactgctc tgtgctatgt accattctaa gcactttaca gatactaatt catttaatcc 540
tcagccctgn taggtaagta ctgctattcc ccccgtccag atgangaaac agcctcagag 600
gagtaaaaca ggttgctcan gtacacggca gcgggttgga ctactcagtt tcagataatc 660
actgngaaat tttactggtt tga 683

<210> 1642
<211> 716
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(716)
<223> n = A,T,C or G

<400> 1642
tntcanatac agctcttgtt ctttttgcag gatcccatcg attcgaattc ggcacgaggg 60
aacctcacct gtggctcagc tcaccccaca tccgtttctc attacgtgta aataaactgt 120
cagagctgat gttacagctt ttacagttta aagcattccc ctcgtctcta gttccttttt 180
tcttgtttac atgttttggg cactttccct cattcaccac cttccagggt ttcatagaaa 240

ataacttgtt acaaaatcag ttcaattcta atgtggacat agtggcatgt tcataattag 300
acccatatag gggacactga gctttaaatc gttgattcta aactctatac attaaaaaaa 360
ttcagcccag gcccctcaaa gcctgagaaa atttaatttg ctcttaattt aatgttccaa 420
aactcactct tggaaaaatg cctgttggaa aactacaggt gggtcacatg tgggggctgt 480
ctccgtgaca ctcaggattc cagtcagaac ctaatcctca tatctattgc ctacaaaaat 540
agaccaagaa tgttgctgct cttttataat cctttaaata tttaacattc aagttttctt 600
ttgtcttaaa ttcagcctct ttcttaaaag caaaaaaaaa gcctcttaga actatagtga 660
gtcgtattac gtagatccag acatgataaa gatacattga tgagtttgga caaacc 716

<210> 1643
<211> 809
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(809)
<223> n = A,T,C or G

<400> 1643
ttgaattccn atacanctac ttgttctttt tgcaggatcc catcgattcg aaaaaataaa 60
agtaaattct aggcaagcta aagagtgaaa tgtatcatca cataggagga agtgggggaa 120
aaaagtgaaa tgtaagaaat gaaatgataa gaagaactta gtgggtattc gtttgatttt 180
ggaggcactc taggaaaatt ctgccagatt gtactacatt taaaaaaaat ttttttaac 240
ttttgtgtgc ttcagtttgg tcatagacaa atgaaaaggc acatcacaaa ctaaaaagaa 300
aatcagttcc tatatatgat aaagggttaa tatgttttta tatggagagt tcatataaat 360
caataaacaa aacactaata ccctgtacaa ataatagacc tatcaggcat cgtttctgat 420
gccgttctct gatgaaaggg aaccagggct cctcagagaa atggctgatg cgaggactga 480
gaaaatacac cagtatggta ggtcaaggca ccggtggctc acgcctataa tcccagcact 540
ttggggaaag cccgaangtg gagccgggat ccactttgna nggtccangg gaagtttcca 600
aagaaaccag gcccttgggn cccaaccatt ggggtaaaaa aacccccccat cttcttactt 660
taaaaaaaat tcccaaagga ttttagcccc caggccgtng gtngggtncc cattaccctt 720
gttaaatccc cagccttact tcaaggaaag gcctttaagg ccaaggaang gaattggttt 780
tggaaccccc ccaaaaangg ccaaaangg 809

<210> 1644
<211> 1387
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1387)
<223> n = A,T,C or G

<400> 1644
ccgctcngca nnnncttcct ntgacgcgcg nttntntgnt gtnnnanncn ncngtatgtn 60
cncntnnacc nntgcgnctn ntcagcgtct acganntggn gntcatatag gggggngatt 120
nacactgngn gggtcnttag nncgttttgg aaaaacccnt ctggcagcgn ccngcgaggt 180
nnancganct cgctantaag ngngggcnnt aannngnnan tnnngtnagg ngcagtgnnt 240
nnntnnaggn naattggnnn ntantgntgn ngnaacntna tangtcnang ttnantntng 300
ncngatatgg nnttctgnta tcgtnnnnnt cnntannnan tnngnngnnt gtcntgatgn 360
tnnngcntgt nnnaagannn cttntntcnt gtgnntnnnt gtncttcggn tgtgtnnntt 420
ngncccctaa tnccngntnn cannnttcnt gctggnanct nnncnntccn tttttgntna 480
tnntccnngt cngcntgncc nnnnngnctn ncgcnnnnna nttccgnnan tagcnnagct 540
ntggnngctc tnnnnntagn ngatnncnng tgctantnca ncngantntn nnnnnacgcc 600
gctacgncnc tntcngatcg tacnncantg tgntncnnca nacnnnacng ntntnagcnc 660
agnanngtnt acgcntctng taccncgcan nntcgangcg cngtnnagtc tgggcgtnnn 720

tngnnanatg atntcggntc ccacntnntn ngcgcntgca aagagtgtna tnncncntnn 780
gcncannggt gtnacataca ganacantag cnggagcgcc tnattntgng tctanntacg 840
ctntntgtga nngatntaca tctnanntgg cntgcnacnt nanntnatgn cgcnantnnt 900
ganntnnngg agangttcag cnncaaattg gcacgngcat ntngnncttc agtgacgcnn 960
tcgnnantnn annacacnct tgnctgtant gtcgtnatcn ntaaccacnc tntcttactn 1020
ngnngntcnn cgggnnngaa gnnnatnnnt ncnnncgnat gcgcagatac gctnggnncg 1080
anattgngct tgtncacgct cagcacngtt ntnacagngt nnntntcctn nctgtcgnca 1140
tgncnncggn catnncgtna gtntgtacgt acngcggcaa tantctnatn tangctcanc 1200
ntnagcncnn nctgcnngag tntnngtnca tgtanngana gatnatancg tnanttnntg 1260
nagnngtnnc gcccngnnga nnngtacata ctctgtnntn nnngatctcc ncgctncgct 1320
gntctctncg ngtnntatna ncgacgtttn nacagnnann tcancntnac tcccgntctg 1380
atnnnng 1387

<210> 1645
<211> 1492
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1492)
<223> n = A,T,C or G

<400> 1645
acgtcnntct gtccncatta cnctatnnac acacgtgnan cctngacgnn cacnctgtgt 60
ctatcnnctn ganannataa cnttgttgcn ntgncgnnan nacgagttcn nctantgntg 120
cattancacg agaggnctct ncatttatnt nngngggcac nccgcgncgt tttggtaaat 180
cccntattgt natggaacga gtcngctanc aacatcntga tnnntagntc ccgatcanna 240
tgaagcnnta ngcatcctcn gaanctnnat nggtanatnt tnatntagcn nnnnnnttgc 300
gnacnctnga nanatagngg acnctagnta gtannntagt ccatnacnta tctnntgtnn 360
naaancctnc annaccntct ggcntgaaaa natacnntna nnttnggann nncncgnncg 420
tgtnancagn ngggntggat tgtnttgntg tgngcnctat ncnctgnggn ctaaatnnta 480
ntntactgnn ntnannnnnt aagnntcnnn ctnannncaa ncnnggcnnt tgagatntgn 540
acganttagg ngtnnatcng nntaggnnta tcnnntnnna ntganataan gcnntnntnt 600
nctcantggn tcgngcgctg cttntcttgg cagngtagtn ntgcnnacnn atgngngcnc 660
tnacncacng cacncncntc ancngatgnn ctantcacag naccaacatn cncantanct 720
tnanantact nacnactgac gcnnntgtnt ctcgccntcn ngaggananc nnngacatgt 780
ctcngaacan tccncnncnt cacatntctc ngcncgttca ctnnntatgc naagcnnntg 840
accgaccntt ctntctntac atatcgttng tnntgtnnat nacacgcatt ctntcnccaa 900
nctatncncc ntcacnnngt agaganaacn cgattnnnta cttnncgata gcgcgcnnnt 960
atactnntta catanatcac tacttnngcg atnatctnaa tacnatacnn tgcggtcagc 1020
cnatntgaac nnctcgaaca ctcngngacn tntnnatntn tcanncatgn atnnnanata 1080
cttgtgtgnt nagcacactt annctgagcg tancngctnt atcgtnacag cnttcgntnt 1140
acacaganca tacnttgntn tancgtatnn acnctatant gcaccntanc nactgatntn 1200
gtatnngnag gtgangntna agnggancnn tnnaanntgn cntancttct cctncngngg 1260
nncgnacnca ncnncntgag agtcnngtnn tgncancttn tatcnaanna ancncnactn 1320
tacgccntga tcnnnngtct cgcngtntnn ntgtatattg ncgatctaaa tanncnntgt 1380
tgcgnntnta taagacnnct gctctnnatg ctctgnntca ctagnncagt ctcnttcnnt 1440
gnacaganng actgctntan ncntacgctc tcgtgtntgn ccctcnnatc cg 1492

<210> 1646
<211> 710
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(710)

<223> n = A,T,C or G

<400> 1646
ttcanataca nctcttgttc tttttgcagg atcccatcga ttcgaattcg gcacgaggga 60
taccgtatcg acgtggggcc tccggttgct gctaaatggg aaaaacttag cttagtactg 120
atagatgact ttattgaaag tggaactgaa caagtactcc tacttttaa ggactccttg 180
aactcagact gcctgacttc atttaaaata acggatcttg gaaaaataaa ctattcgagt 240
gaaccatcag attgcaatga agatgactta tttgaagaca aacaagagaa tcgttacctg 300
gtggttccac ctctagaaac aggactgaaa agcacatgga agatcttttt gcacttcttg 360
cagcattcca taaatcttgt tttcaaatca catcacccgg ctatgccctg aattcaatga 420
aggtgtggct cttagaacat atgaaatgtg aaataatcaa agaatttcca gaagtgtact 480
tttgtgaaag accgggaagt ttctatggga cactcttcac ttggaaacag agaacaccat 540
tcgaagggat tttaataatc tattccagga atcaaacagt tatgttccag tgccttcata 600
atctcatcag aattcttcct tataaactgt ttcctcaaaa atctaaaatc aggaagtgag 660
aatttcctaa ttgataatat ggcatttact ttggagaagg actagtcacc 710

<210> 1647
<211> 721
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(721)
<223> n = A,T,C or G

<400> 1647
ttcnatcagc tcttgttctt tttgcaggat cccatcgatt cgacctcaaa aaaaatgctg 60
atatcctaaa atattcctag tatcctaaaa tattccataa atcagatatc ctacaaagcc 120
aaactggtcc ttcttgttaa aattaataag attctataag ctgttaacca aaaaagtttc 180
cactaacact gcatacttaa ctctcctaaa taaatttaaa tatgcaaaat gttaattcaa 240
atcaaaataa taataaacac aaccataaag ctagcaatta agattaaaag gtttatgagt 300
gtctattaaa ggataaatgg ataaagaaaa tgtgatatct gtatacaatg gaatactatt 360
cagctataaa aatgaatgaa atcatgtctt tttgtggcaa cgtggatgga actggaagcc 420
attatcttaa gtgaaacagc tcagaaacag aaagtcaaat atgctggaag atcttctctg 480
attactttaa ttttctaagc caggtcattg gcttagtaag aaaggaagct attaggagtt 540
tgaaaagaga ggagagcata taattgtcta gaaagtggga aagtgaatgg actagagaaa 600
tacagtatga tcaccangcc agtgttaang ggctcatttg aggctaaagg gtctgagttn 660
aaaagtggan ggccnggtca gcnttgggtt ttggngcttt tttttcttcc agcccccttt 720
n 721

<210> 1648
<211> 712
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(712)
<223> n = A,T,C or G

<400> 1648
tacanctctt gttctttttg caggatccca tcgattcgaa ttcggcacga gcgcgacgca 60
cattgatgga gcgtatgtcc aggcgccggt gcaccgcaag gagcaaaaca gacacagttc 120
ttggtcctag ggctcacgtc ccggggcgaa gaggatcctc cataaacgat cagccatagc 180
agctgtgatt ggacaagaga ctgatttcag tgactttctc ctgataagag accaccgacc 240
agctgaccat gccgaccagc tgacccgtta atagagagag atgatgcacc tgcatgcctt 300
tgtgtcctga aaagacgttt tgccataaag gccctaattg taagatgtgt aaatgttaag 360

tctccacccc aaagtgaaca tgggtcatat attacatgct ttgctcaata agagggcatg 420
tgtcaggacc accttcatga atattcatag ctcctnctgt tacctgttga atatgtatgt 480
ttagccaatc ccttcagcat agcgctcctt gccccaaccc ctcctncttg gacgtgcctg 540
tctctggcct tggctggaga cagattccca gcctcagaca gatggccgnc acctttgcag 600
gctacgaacc gtttacaaaa aaataaagcc ttctnttttt tccnnnnnaa annnnnnnnn 660
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ntnnntnnnn nn 712

<210> 1649
<211> 678
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(678)
<223> n = A,T,C or G

<400> 1649
ttgnaattca natcagctct tgttcttttt gcaggatccc tcgattcgaa ttcggcacga 60
gggacagcac ttagtagctg tggaggaaga tgcagagtca gaagatgaag aggaggagga 120
tgtgaaactc ttaagtatat ctggaaagcg gtctgcccct ggaggtggta gcaaggttcc 180
acagaaaaaa gtaaaacttg ctgctgatga agatgatgac gatgatgatg aagaggatga 240
tgatgaagat gatgatgatg atgattttga tgatgaggaa gctgaagaaa aagcgccagt 300
gaagaaatct atacgagata ctccagccaa aaatgcacaa aagtcaaatc agaatggaaa 360
agactcaaaa ccatcatcaa caccaagatc aaaaggacaa gaatccttca agaaacagga 420
aaaactccta aaacaccaaa aaggcctagt tcttgtagaa gacattaagc anaaatgcca 480
gcnagtatag aaaaagcgca ttgacagtcc tgggcctcat gtaaattaag cccaaagatg 540
gggagaagga aaaggagaga caaatatagt ccatctgagt gtatcaccat ncagctgagt 600
ttcttttatt natccctttc tgttgcacca tcctttcngt ggaacatntt ggtcctaacc 660
ttntttgntg tnngttca 678

<210> 1650
<211> 817
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(817)
<223> n = A,T,C or G

<400> 1650
ttgnaatttc anatacanct acttgttctt tttgcaggat cccatcgatt cgcctgatcc 60
tgccaacagc agttcaggcc agccccacat ggagcaagta cctgaggccc agccccttgg 120
ggacttgccc atcctggaag tggaggagat ggagcccccg ccggttatgg agtcctccca 180
gcccgcccag gccaccgccc cgcttgactc tgggtgtgag aagcacttcc tgcccacacc 240
tgaggagctg ggccttctgg ggccccccag gccacaggtt ctggcctgaa ccacacgtct 300
ggctgggggc tgccagccag gctagaggga tgctcatgca ggttgcaccc cagtcctgga 360
ttagccctct tgatggatga agacactgag gactcanaga ggctgagtca cttacctgag 420
gacacccagc caggcagagc tgggattgaa ggacccctat agagaagggc ttggccccca 480
tggggaagac acggatggaa ggtggagcaa aggaaaatac atgaaattga agagtggcaa 540
cttgccttgc aaaatctgtt tccgttgtaa caagaacttg aattttggga cccccaagcc 600
ncaattgggg cttnacgncc ttggtaaatt ccccaaacaa ctttttggc cangggcccc 660
aaangggtng gggaaagggg aatcaacntt taanaaggcc ttttggngaa gttttttggn 720
aaaaaaccaa gccccttggg gggccaaatt ntttnnccca agggaaaccc ccttttaaat 780
tttccaaaaa aaatttaaaa aacccntttt caaaana 817

<210> 1651

<211> 718
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(718)
<223> n = A,T,C or G

<400> 1651
gaaattcana tacanctatt gttctttttg caggatccca tcgattcgaa ttcggcacga 60
ggtgactcca agcccccgtc ctgcagcgag aggcccctga cgctcttcca caccgttcag 120
tcaacagaga aacaggaaca aaggaacagc atcatcaact ccagtttgga atctgtctca 180
tcaaatccaa acagcatcct taattccagc agcagcttac agcccaacat gaactccagt 240
gacccagacc tggctgtggt caaacccacc cggcccaact cactcccccc gaatccaagc 300
ccaacttcac ccctctcgcc atcttggccc atgttctcgg cgccatccag ccctatgccc 360
acctcatcca cgtccagcga ctcatccccc gtcaggtctg ttgcagggtt tgtttggttt 420
tctgttgctg ccgttgttct ctcattggct cggtcctctc ttcatgcagt gttcagcctc 480
ctcgtcaact ttgttccctg ccatccaaac ctgcacttgc tttttgacag gccagaagaa 540
gcggtacatg aagactccac acaccgttcc ggaaggcaaa agccttgtat gcctgcaaag 600
cttgaacatg actcaaaact ttcgttcaca gcaggcacgg tcttcgataa tgcagaagtg 660
gtccttcagc ttncaacagc cattttnac tggcacaccg gaancttccg gggcacct 718

<210> 1652
<211> 709
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(709)
<223> n = A,T,C or G

<400> 1652
canatacagc tcttgttctt tttgcaggat ccctcgattc gaattcggca cgagtcaggc 60
tgggagggac ttcagttngc atggtggggg agaaccagta ccacataccc agtaggtaat 120
aaggtgtcca gcagaggatg aaggtcagca agataagcag ggccagtctc agggcccgga 180
gacgaacacg gggacaattg tcaaaggagc gggggagggc aaattnacca gcaggggcta 240
ggaatttaga aaatatactg taattcagac actcagcttc tgatctgagt atagggtgaa 300
ttgatggagg ggcatagcta gtgagacaga gctcgcctcc tacaaggagg agaatgttgc 360
aaaccgtttt ccccttccca acctgggact atatgatttc ttacccccag ggattatgat 420
agaaatatga agccaccaag tctagacttg atggtgttca agaataaata atactgattg 480
cctccctagt ccttgtccag ctaactcagc tgtttataat tgaagggatt caacaaaatt 540
atctctagca tcaggtgcta gacatggtta gaatctcacc atggtttant gactggtaga 600
tagctattan gtanggtagg ataaaatana tgatgctaga ggcaacaggt ctanggttaa 660
ggattaaggc cttggaaatt gggaatctca ccatggctcc ccttccttg 709

<210> 1653
<211> 1595
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1595)
<223> n = A,T,C or G

<400> 1653

09543508.050506

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anaattcgga cnttgtcnng atancgnnnc ntntcgtntg tcacnnnntn atatgatntc 120
tngcgcntgt gaggggtctc nagcntgcgn accnnntgtt actgaganng agancncnca 180
ntagaagagt acgccnatat ctgggngacg gntnccagct gncnnntttt ggnaaaangc 240
ccttcagtgc caanagcntn ttcnatcntn atatnnctac nctcagannn atngncctga 300
nanagngnan nncatnntgg anatgcnntn ggncatatnt gntnntnaga gnanncagtt 360
ngnngncnnn nntggangat nngnttgann tnatnatcag cntnnacctn tntnnnccgt 420
gngaatatnc tngntncngn gnttnagggn ttgcngtncg gnttgcncag gantnttgan 480
nnntncgtnc ncnnntcnnn nangtnctng ncngnntagt gacngantna angaggtcnt 540
nngnntcnnt ntnngnnngn ttnnagnata nngcgcacga nnnnctgtng nngnnnncnc 600
ntnnntcanc tnncnaaacc ntanactgga tangtantnn cgnannnntn cntntgtata 660
tntntcncng tatnttcgcc ncacatntga gctatnatna tagatcnnnn atcgcanngn 720
ncatatgnac gnatnggagt cngcagctgc acanggagga cacgngtgnt nanagtgnta 780
tatnagagca natgnnacnc nnngannctc acgnaatann atgtggcacn gtagattcat 840
gctanagagc ncgngngcng nacagcntnn atgatannag nttgtnagcg atcnatnnan 900
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acnttgnann ncgaatgnnt nctgtatcgc acgnncttgc gtacacantn tnnanacgng 1020
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tgattgnatg gcgntgcncg tgnnanncgn atnntggacg natntgtgnc gttntncgcn 1140
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cggtnacagt ntctgngata gantgaanga gtagatgcan cnganaaggg tgtcnctagt 1260
ncacgcgnnt nacntcnntt gtngaatgac ntcatctnga tatggcncgg ngccgatatg 1320
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gnctntatgg ngcgnncgna tatnnctatn nnttgntagt cngtccatca ntntncaanc 1440
gattagtcgn cacgntnncc gcattacgat gatgaccnna cgataggnat ngctctnngt 1500
ctnatcncac antnanganc tattnnatna gaancatgnn aannnttggt actatcgnat 1560
angtctnnan ctatnaaggt tatcgaacac nagcg 1595

<210> 1654
<211> 776
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(776)
<223> n = A,T,C or G

<400> 1654
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caccaacttg aaaccagcaa ccatcaaggt ctatgactac tacctaccag atgaacaggc 120
aacaattcag tattctgatc cctgtgaatg aggataggag ctggaaactc aattagtcct 180
ctgtgacatt actggagggt ggaacattct tctgtcgctt gaagcagaac tcattcaatc 240
aaataattta atttctctga ctagtatatg ggtaacaaat gaatatgtct gaacctcagc 300
tataatactt tctactacct ttgcaaggag atgggatagg aacaatcact cagaggaggc 360
gttgcatgga cagggtcatt agggggaaga aaggngggtt aactggttta tttaaccatt 420
caggggctc tncaaanang anaccgtggt aganggtgac tanaaaagat aagaatgtct 480
ttcttagggc cggttgccgg tngctcaccc ctggtaattc ccancacttt tgggaattgc 540
naagggtggg ccggaatcan tttganggtc aagggagttt caaaanaacc aagccttgcc 600
caaacaattg ggaaaaaacc cccgtctttt ttcttaaccc aatttccaaa aaaattttnc 660
cccttggtgg ttgggtnggc aaccggggcc ctnttaattc ccaaccccc tttgggaaan 720
gggccnaagg caagggaaaa aatccncctt tnaacacttg gaagggtgga agggtt 776

<210> 1655
<211> 762
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(762)
<223> n = A,T,C or G

<400> 1655
gnnnnttnnt ttgattgntc tngctcttgt tctttntgca ggatcccatc gattcgaatt 60
cggcacgagg tcaccaactt gaaaccagca accatcaagg tctatgacta ctacctacca 120
gatgaacagg caacaattca gtattctgat ccctgtgaat gaggatagga gctggaaact 180
caattagtcc tctgtgacat tactggaggg tggaacattc ttctgtcgct tgaagcagaa 240
ctcattcaat caaataattt aatttctctg actagtatat gggtaacaaa tgaatatgtc 300
tgaacctcag ctataatact ttctactacc tttgcaagga gatgggatag gaacaatcac 360
tcagaggagg cgttgcatgg acagggtcat agggggaaga aaggtggttt agctgtttta 420
tttagccatt caggggctc tccagagagg agacggtggt agagggtgaa ctagagaaga 480
taagaatgtc ttcctaggcc ggatgcggtg gctcacgcct gtaatcccag cactttggga 540
ttgcgaggtg ggcggatcac ttgaggtcag gagttcaaga ccagcctggc caacatggta 600
aaacccgtct ctactaacaa tacaaaaatt agcctggtgt ggtggcacgg gcctgtaatc 660
gcaacccctt ggaaggccaa ggcaggagaa tcgcctnaac actggaggtg gangttgcag 720
tgaacctgag aatgngccac tgnacttcan cctgggcaat gg 762

<210> 1656
<211> 703
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(703)
<223> n = A,T,C or G

<400> 1656
ttcanataca nctacttgtt ctttttgcag gatcccatcg attcgaattc ggcacgaggt 60
tggcttcccc gggagaggag tatgaggatt aaaaatattc agaaacaaac aaaagaacac 120
aaaaatgcaa acacatggta gggaattact actgcttatt ctcaacagta ccacagaacc 180
agtgtttgag tgctggcacc atatgcaaca tggggcatcc gggctggagt gatccagttt 240
tttagttggt ggtggcgatg atttttcttt ccttttggtt tataattttc tgttcatttt 300
tccccctttc tcccccacat tcattaagaa ccctactgaa accctaggtg acaaaaggtg 360
tgccttctgt tgccacattt gacccaccac aggactcact ggactggact tctatttata 420
ttgtattaag taactgatat atatatatat atatatatat atatattttt gattgacacc 480
aaaaaattac cttggcacaa atgccagacc tgtgaaggtc agaggcccgc tgcttctccc 540
aggagggagg gaacttttg gntgtctgtg gcaattcctc tgtacagatt gtaacttttt 600
aaaaatttcc cttcaccccg tcacttgaat atatgttcat agtaaatttg taaganactt 660
cttttcctta ttttggtgca agaaccttcc gacacattct gtt 703

<210> 1657
<211> 858
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(858)
<223> n = A,T,C or G

<400> 1657
atncanatac aactacttgt tctttttgca ggnatcccat cgattcggct cagtgctggc 60
atgttgacct ggtgttgtca gtgagtctgt ggatccaggg tcagtgctgg tatgtttagc 120
tgacattggc agtgagtcca tggatccagg ctcagtgctg gtatgttgac ctggtgttgt 180

cagtgagtct gtggatccag gctcagtgct ggtatgttga cctagcattg gcactgagtc 240
tgtggattca ggctcagttg ctggtatgtt gacctgacat tagcagtgag tctgtggatc 300
caggctcagt ttcacagagg tttgtataaa catggtctca ggtgggttct tgacacctgg 360
gtttcaagca caaaagtact ggctgggctt gttaggtgaa gtggggtggg gtctaccacn 420
atgaatnnca taattctgaa ggctttgcca ancctnggg gaaaggtggg gttcaaaaca 480
caaggttgaa naacccttc cgntgggtta ggggtccaag ancaccaaat taagggtgaa 540
nttaagtggt tgnggccttc tttattattc naaaggggn aaaaggcccn gtaattncaa 600
tttgggtaaa gggtgggttt nggtcaaccc ntgggggnt tcttggccct tggggttggn 660
atngtctctt naaggggaa aacccccctt anaaaggaat tccangcctt nnggggnacc 720
aaggggtaaa tccttngttc cctcaagnca accncctgg gttccnaggg tctntngant 780
aagaaccang aaacttccag gggttnaaat aacaaaaagg gggcttntaa nggaatcttg 840
gttnaacccc aagnccct 858

<210> 1658
<211> 704
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(704)
<223> n = A,T,C or G

<400> 1658
ttgaatcccn natacaagct cttgttcttt ttgcaggatc cctcgattcg caccactctt 60
gtgcagtcat cctaaatata ggttcagagc atctcctgtg aatgacatat tttgtcaatc 120
actgccagga tctccattta agcccctcac cctgaggcag ctggagcagc aggaagaaat 180
actaagggtg ccttttagga gaaataaaga gggtgtcggt tggtggaaat atgaattctg 240
ctatggcaaa catgtacatc aataccatga ggacaaggat agtgggaaaa cctctgtggt 300
tgtcgggaca tggaaccaag aagagcatat tgaatgggct aagaagaata ctgctagagc 360
ttatcatctt caagacgatg gtacccagac agtcaggatg gtgtcacatt tttatggaaa 420
tggagatatt tgtgatataa ctgacaaacc aagacaggtg actgtaaaac taaagtgcaa 480
agaatcagat tcacctcatg ctggtactgt atatatgcta gagcctcact cctgtcaata 540
tattcttggg gttgaatctc cagtgatctg taaaatctta gatcnagcca gattgaaaat 600
gggctttctt tctcttcccc aactaaaagg atattaaagt taggggggaaa gaaaaaanca 660
tttgaagtca tgattaattt ctgtcccact gngtctcatn ataa 704

<210> 1659
<211> 700
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

<400> 1659
ttgnantccc natacaagct acttgttctt tttgcaggat cccatcgatt cgcagaaatc 60
agcatgcatg aattaatcga aatacaatgc atattaaaca atgcaattac tatagtctaa 120
atcaccaaac tgataaccca tacaaaagta gctcttacaa ctttttttga gaatatttcc 180
cctaaaaaat tccagtgatc atcccaacct acaaaactag attattttac tagtatcatc 240
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agagaaacgg cttcctcaag aaattatctg atggttcagt agcagttgga gttttacaca 360
aactatgttg tgattgggca aggcagacta ccagatctgg gattcagtag accattcctt 420
actgtcagat tatcttctaa gtgactgctc ttagagaaac aacacagatt tgcctcaaga 480
gattacaaat gtggtaggcc taccttaaca gcaactagtt ttttttaaga aacacggtcg 540
cactgtcgcc caggcaggaa cacaatggca tgattatgct cactgcacct caaactncta 600

agttcaagtg atccttctgc ctcagctnct ggaatagctc aaactatagg catatgccac 660
catacccaag ctaggttttt cggttttttg gttttttaaa 700

<210> 1660
<211> 697
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(697)
<223> n = A,T,C or G

<400> 1660
gaattcanat acaagctact tgttcttttt gcaggatccc atcgattcga attcggcacg 60
agaaaagaaa acgagaccaa gtaataaagc agaaggaaga agaagcacag aagaagaaat 120
ctgacttgga aatagagcta ttaaaacggc agcagaagtt ggagcagctt gaacttgaga 180
agcagaaatt gcaagaagag caagaaaatg cccccgagtt tgtgaaggtg aaaggcaatc 240
tcaggagaac aggccaagaa gtcgcccaag cccaggagtc ctaggctgag gctgcaccaa 300
gacctcgtgt gtcaccccac agagctgtct gtgggtgcct tctcaatctc agggcaaaag 360
cccctggaga atattccagc cagcagagaa ttttgacttg cagtaggatt tggtttgatt 420
ttcctacgat ctgggtggat gccttgcctg tgacagttgc agttcctatt cgccaaatga 480
agggcagtgc cccgcacgta agttggaatg atggacctgt gttcagagac ttaacagacc 540
aacaagcaaa acaagtgaga acaggaaaaa ggaagangac actggaatca attcttgaga 600
gttgcactac ttggtttttc ttccattcca agtttcgtgg gacccaganc ctttttttctt 660
ttaaaagcta aaaaaacaag tgtttaattc ctctttt 697

<210> 1661
<211> 698
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(698)
<223> n = A,T,C or G

<400> 1661
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cgaggcaccc agccggcttc atctcttctt gaaatcactt ttataccatt ctatgtggtt 120
ctcaccatga gcttgagtgg tgggctaaag tgcctctccc tgctttcagc ttcctgctgg 180
gaactcactc tctcaagttc cttccagcac caccccatag agttcccatc actccacact 240
gtccagtgac aactcccaac atggaagatc tgctagttct acagggtgct ctctggctgc 300
cccagtaaca tgtgttttta aatttttcac atgcatgttt gaccccgact ccccgaagtc 360
aggtactgta actagcagtg tcatttaaga aaaagccctt taacctctct ttgccaaagg 420
attcttatca gcaaaacagt gatgaaacaa caatcccata acagctagct ggctaccttc 480
tcaagcactt attaaatgag gcataatgat tttgcttaat cctcaatcct gagaggtggg 540
cgatccctgt ggtgatgagg aaaccgaggc ttgggggtta atggcttgcc tagattcaca 600
ctgctagcca aggaatgaac tgggaattta caccctgacc ctgactgctt ttcacatttt 660
ctacacagcc ttttcaagat cctgccaatt ctaaaaat 698

<210> 1662
<211> 705
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(705)
<223> n = A,T,C or G

<400> 1662
ttcanataca agctacttgt tctttttgca gggatcccat cgattcgaat tcggcacgag 60
ccgactagta acataaatca tagcttccaa agtatttgtt tacagaatac cacagtgact 120
aattaccaga cttttcttat tctctctgag caaaggaacc tcatgggaga aaaaaaatat 180
aggtcatttt taatgtaagg gagttgctag gattggaggt taagacaact atttaaactt 240
cataaaagga aaaacaaaag acctcaaaaa gtattttcta aaatagagaa aggtgcaaat 300
cttcttatca gaaacgcatt ataaatagaa aagaaactct taaaagagat tcttcaaatg 360
tgacaaaaag ctcttggttt cctgaaaatg tcaaaaacaa aaacaaatat tgacaatact 420
aaatatccaa cagacagggt aagaacttca cttagaagca aatttccatt taggtaattt 480
atggtgcttc tgtgcaaaaa gttgctttac actgtgtagt cgctgaagac actccagaat 540
tgctagacct tcacaggaaa aattttaaag gtcaggggtt tttttttctt tcccttagtt 600
agcacagcca ctcanggggc agccagttct ctaacgtctg agtaaaaccc ctacacangg 660
gcttcatttc cagtgcccac gtcattggct tttgcagact atctt 705

<210> 1663
<211> 698
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(698)
<223> n = A,T,C or G

<400> 1663
attcanatac aagctacttg ttctttttgc aggatcccat cgattcgaat tcggcacgag 60
atttcccttt gccctgccac tttcaccata gggccttctt acctggcaga ggagtgcctt 120
agataccaga agattggcag ggaagaaggg cagccacttc ctggttacca tggagaagct 180
tgtcatgctc caagcctgtg cttacttgtc cagtagcaac aatgggaaac tgtattattt 240
ggggtagggg tagaaccctg agggcataaa gctaagaatt ccaggctgca tctggcagaa 300
tcggtttggc aggggttcag ctgctccctg ggaggccttg gcatagccag gctgctccag 360
cactgtgagc tgggagtctc ctcttgcaga agatgggtgt gaacctgaca cgcagcaaca 420
aggagacggt gaagcacagc gacgtcctgt ttctggctgt gaagccacat atcatcccct 480
tcatcctgga tgagattggg gccgacgtgc aagccagaca catcgtggtc tcctgtgcng 540
ctggtgtcac catcagctct gtggaagaag aagcttgatg gcattccagc cagcccccaa 600
agtgattcgc ttgcattgac caacacacct gtnggtagtg caaggaaggc gcttcagtgt 660
accccacggg cacccatgcc ctggtgggan gatgggcn 698

<210> 1664
<211> 760
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(760)
<223> n = A,T,C or G

<400> 1664
ttgaaatnca nanacaagct acttgttctt tttgcaggga tcccatcgat tcgaattcgg 60
cacgagcttg tgttttctta actcccccag taatagacct aactgatttt gttttgagaa 120
gttcggtatt agcttaagtt tttgttcgtt tatagaatat caaaatggta tcaaaactgt 180
ttaaaaggtc aatgtacatc tgtagcagag ctttttactc ttttccttgt cttctttctc 240
tttgtgtata tacattgttt atagttgtat tcagtataca tgaaattttg tgtctttttt 300
actcctctct gtataaactt tctgtgctgc aacaatgtaa attacattca ggttgtttcc 360

agttttttt ttactctgct gtagcgaaca aaaaaacaaa aattagccag gcgttatgcc 420
atgtgcctgt taatcccagg tacttgggag gctgaggcgg gtggatcatg aggtcaggag 480
acaagaccat tctggctaac acnggtgaaa ccccgtctct actnaaaaat acaaaaacca 540
aaatttagc ccgggntatg ggtgggggg gccaccttnt tagnccccca ncttacctca 600
aggaanggct tgaagggccg gggaanaaat ggggcattga aacccccggg gaccgttggg 660
aancettggc caaatggaag cccgaanaaa tccgcgnccc acntggcacc ttcccaagcc 720
ctggaaccga acaggaaatg gaaaacctgg cantctttca 760

<210> 1665
<211> 689
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(689)
<223> n = A,T,C or G

<400> 1665
attcanatac agctacttgt tctttttgca ggatccctcg attcgaattc ggcacgagct 60
gttcactggc acacaatcac agtgtcttga tagtttttct ggttttgaat ttctggaagg 120
gaaatcctcc ttctgaggag acttcacttt ccgtcagtaa tggggaaaac tgtttccctc 180
gggatagcag aggtcatttt aaaagagaac actcagcaga aatgaaaatc caaacaactg 240
atttttaatt cgtgtctctt tgttcagtga tgttggtcct gattctgcct atgagacggg 300
aataaagaga gatttcggga aaagtgtgaa gccaaacatg ggtgctattt aaataccacc 360
ctcataattt gaaaaactta cctactgggg actgtgctca ctacctgggt gacaggatca 420
tacgtacccc aaacctcaac atcacacagt atactcagct aacaaacctg cccatgtgtt 480
tcctgaatct aaaataaaaa tcgaaataat ttttttaaaa aagaaaaaga caatagtatt 540
acccatggga caaaatttgt actattagca agaatcattt tgtgtctcat ttagaaacaa 600
tttggacttt tgttccagtg tttaaacttt gacaaaaatg gttttgaata gatctttata 660
acctggatgc cataaatacc aagattctc 689

<210> 1666
<211> 686
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(686)
<223> n = A,T,C or G

<400> 1666
tacnatacan ctacttgttc tttttgcagg atcccatcga ttcgaattcg gcacgagtat 60
aagattactt tcatgttgga tagtgctgct atgataacag tacatactcc aaggagagga 120
ttaatagacg taaagcctct tggtgttata tggggaaagt tttcggagtt ttacagcaag 180
aaaaacacca ttatgtttga tgacataggg agaaattttc taatgaaccc acagaatgga 240
ctaaagataa ggccttttat gaaagcgcac ctaaatcgtg ataaagacaa agaactttta 300
aaattaactc agtacctcaa ggagatagca aaattagatg acttttgga tctaaatcac 360
aaatattggg aaagatatct ctcaaagaag caaggacagt agttacaagt tatactggca 420
gttattgaag atacttaaga tccaagaact tcttgctttt atgctagaaa tcattatgat 480
agtgctggac actgaagcaa ataccatact gcttatactt ggtcttccag ttttttgtaa 540
atttaatttt atatttttg aagatgatag caatatgcta aaaaatgctt gtcccctata 600
tgaatattct gttacgcttg gaaaaatatt ttctncagcg ttgggttact gaccacccca 660
ccttccacca cacacacaca cacact 686

<210> 1667
<211> 684

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(684)
<223> n = A,T,C or G

<400> 1667
canatacaac tacttgttct ttttgcagga tcccatcgat tcgaattcgg cacgaggcac 60
tgtcatgtct ctagctggga aatacacatt gaacaactgg ttggcaacgg taacgttggg 120
ccaggcgggc atgcacgcaa catactacca caaagccagt gaccagctgc aggtgggtgt 180
ggagtttgag gccagcacaa ggatgcagga caccagcgtc tccttcgggt accagctgga 240
cctgcccaag gccaacctcc tcttcaaagg ctctgtggat agcaactgga tcgtgggtgc 300
cacgctggag aagaagctcc caccctgcc cctgacactg gcccttgggg ccttcctgaa 360
tcaccgcaag aacaagtttc agtgtggctt tggcctcacc atcggctgag ccctcctggc 420
ccccgccttc cacgcccttc cgattccacc tccacctcca cctccccctg ccacagaggg 480
gagacctgag ccccctccc ttccctcccc ccttgggggt cgggggggga cattggaaag 540
gagggacccc gccaccccag cagctgagga ggggattctg gaactgaatg gcgcttcggg 600
attctgagta gcaggggca gcatgcccat gggcctgggg tccccgggag ggattccgga 660
attgaggggc acgcaggaat ctgg 684

<210> 1668
<211> 696
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(696)
<223> n = A,T,C or G

<400> 1668
canatacaag ctacttgttc tttttgcagg atcccatcga ttcgaattcg gcacgagcag 60
caactcagga ggctgaggaa ggagaatcac ttgaacccgg gaggtggagg ttgcagtgag 120
ccgagatcgc cccactgtac tccagcctgg gtgacagagc aagactctgt ctcaaaaaaa 180
aaaaaaatgc cactggagag ctttgaggag aggatcagtc tggctactgg gttgggaatt 240
aatcatagca ggcaaaggca aaagaagtga ggttagttag gaggctttac aacaacccag 300
atgagagatg ggaggtttta gccagggaga tggagatgtt gagagagtag ctggactcag 360
gattgtgaca gtggactgaa ggaaaagcag gttttggggg aagattgcat ttctcccttc 420
aacttcagtt acgtagatca cccatatgcc acacaactgc aactctgtaa cagccaattt 480
ttagcttctt ccttatctaa gccatcctgt aggccatagg aattaaaact aggttggatc 540
aaggaaaagt gaatgctaga tccatacaaa actatttgga tatttgcctt tgtattttat 600
tggttttgaa attatttttt aatgggttca ataaaactct tactngaact tncaaaaaaa 660
aaaaaaaaaa aaaaaaaact tcgagcctnt tananc 696

<210> 1669
<211> 856
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(856)
<223> n = A,T,C or G

<400> 1669
tnattnnnnn aactnttgtt ctttttgcag gaccctcgat tcgcgagcca caagctgcac 60

tgtgaacctg ggcactccgc gccgatgcca ccggcctgtg ggtctctgaa gggacccccc 120
ccaatcggac tgccaaattc tccggtttgc cccgggatat tatagaaaat tatttgtatg 180
aataatgaaa ataaaacaca cctcgtggca nanaaaanan nnnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn cctcgccctt taaaactata gngagtcntn 300
ttacgtaaat ccaaacatga taanatncat tgatgagttt ggacaaacca caactagaat 360
gcagngaaaa aaatgcttta tttggnaaat ttgggagcta ttgctttatt tgnaaccatt 420
ataagntgca ataaacaagt taacaacaac aattgcnttc attttatgtt tcaggttcag 480
ggggaggtgt ggaaggtttt tnaattcgng gccgcggcnc caatgcattg ggcccggtnc 540
ccacttttn ttccctttaa tgagggttaa tttgcncccc ttgggcgnaa tcatgggnca 600
taactgtttc ctggggngaa aatttgttnt tcccccttcan aatttccccc aaaaaanaat 660
accnaaaccc ggggaaacct tnaaaagtgg taaaaanccc tgggggggggg nccccttaaat 720
ggaggnggaa ncctnaacct cnacaattta aatttggggg tttgggccct tnaaattggn 780
ccccgttttt tccnanancn ggggaaaaaa ccctttttn gggnccccaa ntttggannt 840
tnaaaannaa atccgn 856

<210> 1670
<211> 802
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(802)
<223> n = A,T,C or G

<400> 1670
gcntttgaat ncatatacaa gctacttgtt ctttttgcag gatcccattc ngattcgtct 60
tggcccatgt gggtgaaact tctgctttta ctaaaattgc aaaaattanc cggtgttggt 120
ggcacatgac tgtatcccac tactcaggag actgagcagg agaatcactc aacctgggag 180
gtggaggttg tagtgagctg agatcgggcc attgcactcc agcctagcta cagagcgaaa 240
gtgtctcaaa aaataaatac ataaatagag acggggtctt actgtgttgc ccagactggt 300
ctcaaatttc tggactcaaa gtagtcctct aacctcgtcc tcccaaagta ctgggattac 360
agtcatgggc cactgcaccc ggcctatatt cactgtagtt atttaaaaat ataagccggg 420
catggtgtct cacgcctgta atcccagcac tttgggaggc caangcgggc aaatcacctg 480
aggtcgggag tttganacca gcctggccaa catggtgcaa ccccgtcttt taccaaaaaa 540
tacaaaaaat tacccagccg tggtggcgtg cncctgtaat tccaagcttc cccaagaagg 600
cttgangcag gaaaaatcgc ttggaacccc ggtgggcaaa aagcttgcna nttancccaa 660
naattacgcc ccacttgcac ttccaancct taaggtggac aanaancaan gaactnnttt 720
tcaaaaaaaa aaaaaaaaaa aaaaaactnc gnngcccttt taaaaattat tngggnaggn 780
nngnattnac cttnanatcc cg 802

<210> 1671
<211> 988
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(988)
<223> n = A,T,C or G

<400> 1671
tttgnannnn nnagggnttg gatcccttgc aggacccatc nntncggccn nattancctn 60
cntggtgctt tctgtgngct ttcnggttcn cgnancctcg ctttttgna tgtccngggn 120
tgggcctgcc ccngagggcc nacngnnatn nggncncnat ttatttnttg nnnanccant 180
atcttgnncc nacagntgct tttacagtct atntnnttcg cgcnnngngc gtatnagccn 240
cncttnttac cnggggantt nctcnnccnc nnnntnttgt ttcntntntn ttcccccnnt 300
tgggggggaag anangggnnn gcnnncaaag gnntngtnac nacaagnnct tgnactcccg 360

tacnnacggg gaccgccccc gttgggaaga ccttttncnn nnncgcataa naggctncnn 420
ctggatcggt tactctcctn gtcncacttg ncgnctcaaa ccgtcattgg gcntgttgga 480
tcacctnctn naacgancca taaananaaa ccccccgggg nnnnaatacc tgctngngna 540
tngtangnnt cncagcncnt ttaacntncc ntctgaagga angattnaag ggancgggca 600
atccttgttn agngggnttn ntngccttgg ggggcaancc aagggccacc ttgntntnnt 660
tccttcaccg ccnntggggc cnntttccga atggccgggn ngtngggntc nggatncntc 720
ccnangcttg gnctagncat taanncccan ncccancnng ntgcccctnt tntaancata 780
ntcnccnttc ttganngggn annttgcct tanctangcc tnnnnccccg tannagtttc 840
aaacnntnat gangnaaacc tcggtagtnn aanctngtgn gttnctcttc cttngngtgc 900
cantcngggg annntccatc angtcgctgt nntcnnnant acttgnaana ngggnatggn 960
ttcaanttna gggangccaa nngtnann 988

<210> 1672
<211> 801
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(801)
<223> n = A,T,C or G

<400> 1672
gttgantaca aatacaagct acttgttctt tttgcaggat cccatcgatt cgaattcggc 60
acgaggtgac ttccaagccc cccgtcctgg cagcgaggag ggccctggac gctctttcca 120
caccggtcaa gtcaacaaga gaaaacaggg aancaaangg aacaggcatc atcaaactcc 180
agtttggaaa tctgtcttca tcaaaatcca aacaggcatc cttaattcca gcagcaagct 240
tacagcccaa catgaactcc agtgacccag acctggctgt ggtcaaaccc acccggccca 300
actcactccc cccgaatcca agcccaactt cacccctctc gccatcttgg cccatgttct 360
cggcgccatc cagccctatg cccacctcat ccacgtccag cgactcatcc cccgtcaggt 420
ctgttgcagg gtttgtttgg ttttctgttg ctgccgttgt tctctcattg gctcggtcct 480
ctcttcatgc agtgttcagc ctcctcgtca actttgttcc ctgccatcca aacctgcact 540
tgctttttga caggccagaa gaagcggtac atgaagactc cagcacaccg ttccggaagg 600
caaaaagcct tgtattgcct gcaaaagctg aacatgactt aanaactttc gttcacaagc 660
aggcaccggt cttcgataat gcaagaagtg gtccttcaag ctttncaaaa ggccattctt 720
taactggcca caaccgnaag ctttcngggc acctttcaac ctttttaaac ttggggcact 780
tttccactgg ggccggnctg g 801

<210> 1673
<211> 1207
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1207)
<223> n = A,T,C or G

<400> 1673
ttgaancntn anctcttgtt ctttttgcag gaccctcgat tcgaattcgg cacgagtcag 60
gctgggaggg gcttcttttt tttggtgggg gagaaccant nccacatacc cagtaggtaa 120
taaggtgtcc tgcnnnnggt gaangtcngc nagntaannn ggggccgtct cnngggcccg 180
gngacgaaca cgggggnccn tttgttnnnn gggggngggg gggggngnga ntttnancnn 240
ncnggggggt tngggaattt tanaaaaaat attacttggt nttttcaana acacttccag 300
cctttcttgg atcctggaag ttattaaggg ntngnaaatt tnggattggg nanggggggc 360
cantangccc ttanggtngn aagaaacaag gaagccttcg gcccntttcc cttacccaan 420
gggggaaggg gaannaaaat gggtttngcc caaaaaaccc ccggtttttt tttccccccc 480
tttttnnccc caaaancccc ttgggggggа ancttaatt tanttggaaa ttttttтcct 540

ttttaanccc ccccccccca angggggggaa attttaantt ggnaatttan gganaaaaaa 600
nttaanttgg gnaaaaggcc cccccaaccc cccaaaaagg ttnccttttaa agaaaaccnt 660
tttgggnaat tnggggggtng ggtttttttcc naaaagngaa aaantttaaa aaannttcaa 720
attttacccc ttgggaaatt ttgggccccc tttccccccc tttaaaggtt nccccnnttt 780
ggggtnnccc caaagnccnt ttnaaaccct tccnaaagnc cttngggtnt tttaaattaa 840
aaaatttttgg gaaaaagggg gggaantttt ccaaaaacccn aaaaaaaatt ttanttcntt 900
cnttnaancc canttccaag gggtggccnt taagnaacca attggggntt aaggaaaatc 960
cttccacccc attgggtttt taaatnggac ttgggttaag aataagcctt antttaaggt 1020
gagggtaggg aataaaatna aaatggaatg cctaanaagg ccaaccangg tctaagggtt 1080
taaagggatt naaggnctgg ggnaattgga atctcaccat ggcttccctt nctttncttg 1140
gggcctggac cactgangac aatgcggcta tacaanaagg ccatggcngt cantngccac 1200
aaaaaag 1207

<210> 1674
<211> 1006
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1006)
<223> n = A,T,C or G

<400> 1674
gtttgactnc cgtatacaag ctacttgttc tttttgcagg atcccatcga ttcgattgtg 60
cacctctaac ccctcttcta gcacccttaa ttgataccat tcaagtgcca ataattcttc 120
caaaccaggg ttgagggact tttgaatttg ctgagaaatg aaattctgca tatctttgct 180
tgtcactaat gcctgtctgc tctctgcctc accttcttgt ccattggtat atgtttggca 240
ctctgagagt atcagcatca attcattcat atctccaata ctctttcatt aagtctcagg 300
ttgcttgcca gcacagacaa ggtactgccc aaagaagttc tttggnaaac agncaagatn 360
tttactatac cacnaanaac cttaacattc ttntttntga ancttattaa caantttnna 420
aaatttanan ancnntttnt nntnttcttn cccnagnngn cctttttntn tatnntnnnt 480
ttttcnnttt tatnttntnt ntncatcttc cnnttttnnt cntannntat ctannnttca 540
ttctcctttc nccttttntn tnntnnttnn tnatctnnnt ncnattncnn ttntannnnt 600
ctctttacna ntnntnttnn ncctcntcnt nnantanncn ccnnntatct ncnannnnnn 660
cccnttnntn ntntnttntn ttctctctat nacnnnanna tcntnctctt ctcccnntng 720
ntacanttnc cccctnnacc ncctntntct tttacncccn annaaannan aaacctctac 780
cttgcgggng ggatggncca ctatccctcn ngngnttttn ttttaataac caacancctn 840
ttttggtccc nctnttnnan aaagggggac ncaagnnaat nnccttccca aaaancctca 900
aatttggggn aatnggnctt tntcncattt cctttttttа aaaaaaaacc anaaaaaccc 960
nttttggggt ctcnttttnt gtaaaaaaaa cccccanccc cangcc 1006

<210> 1675
<211> 1078
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1078)
<223> n = A,T,C or G

<400> 1675
tnnnnnncnn nntnnnnnnn tnnnatcnnn ntnnnnnnan nnnnnncacn nannnnnnag 60
ggngnggccn ntttggannt gnnacctttt gnactcntgc agnncccagn aancgaannt 120
gngacgaggc ncttntcatc accagcgcgg gagnntgctg tgaacttttt naaccgggtg 180
actgncatgc atgaagagcc cctgcccaca catttcncct tcntttatgg atgccngcca 240
gggntnggag catggctggg gaaggngctg gccncnccng cntgtncagn tactacagtc 300

nnggatcagn annaacntgg ntgtgntngg agcagcanta canaanaanc ctggacctgc 360
acactaatgc cnctgcacaa cnttcttgga anaaaaacnc tgcttgnggg aagncaanag 420
gacnntnngc tctntcttac ttttgcagcc tnncttgccg ggggcacaga atttggcctn 480
ttatncatca angagcnant aggntagtcn tggatttccc angacacggg ntaacccagg 540
ggaaaaangg tttggggntt gggcccatat cccntgggaa agngaatttc ttttgctccc 600
ctaaagcaan atatatacnc ggggngtttt ngggnatatt tccaantaag taancccccan 660
tccangttca cgnaaggggc nctttggggn taaaggccaa taaaaggggg naccctctaa 720
accattggtc acttgnggna tgggggncaa ntccccctan gggctttatc ttnanggngc 780
ccacgnannc cttgnaaaca aagggaangg aggggnaang acgcantgaa gggntttgaa 840
agttgtcccc ggaanttggc nanccaggta tngaaccntt gcactaggna gcctatgggc 900
naaattggcc aggnttnttc canacgaang gaggcnnnaa aacntttgan ccaannnaaa 960
tttnttcttt gggtgaagaa ngaanangat gancatgacg gccttgnttg nggggncana 1020
agcangaaan aactttannt ntncccaaan aancagngcn ttgggggcgg aaannnnn 1078

<210> 1676
<211> 758
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(758)
<223> n = A,T,C or G

<400> 1676
gttgatnngn tcaagctctt gttcttttttg caggatccct cgattcgaat cggcacgagc 60
tgcaaagaaa nggaagattt tctttttttac aacctagatt ttagttttag agganggaaa 120
tagcttgaaa aactaaattg ctttggtgaa atgtcctgta cagaacagta ccttggcatt 180
cagcagctgt aattggggaa cattaaaaca gtaactgaca tccagttaaa gccacgatcg 240
tcagcaattc tccttttttta atttctgata tttaaagttt ttttccagtc tacaccaggc 300
ctctccaagg agacagttca ttatttagga gtgaatgtgt tcctcttgca atattatcag 360
tacctgcatg acttggtaaa ttcatttttat aaaaatagtg ttttttttttt taatttcagt 420
tcattgactc tataactgca gaaattagat aatgttttat aaaataaatt tgccacataa 480
tatgggatgc aataaccaac aaagctgcta agtgccaaac tgttatttta ctatatataa 540
atattaaaat attgtgttga agtataggga tgtatttaat tttactatgc tcccaacatt 600
aatcatggac tcttttgtaa attacagtta tttcagtatt gtaaaataaa tgttggactc 660
atttcaaaaa aaaaaaaaaa aaaaaaaaac cncngcctct aaaaactttt gggagtcgtt 720
tttacntaga atcnnacatg gataagaaac atttggng 758

<210> 1677
<211> 779
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(779)
<223> n = A,T,C or G

<400> 1677
ttaccgcttt tgttcttttt gcngatccct ctttcgatta gggctgctgt gatattgtca 60
gcttgcatta acaattagaa gatagagaac ccgccatcag ggtgtctacc taacttctca 120
gggactacac ttggtagttt tccccctttn aagaactggt nnattgaaac atttgtgggg 180
ttccngaatt gcctttacag ggtttttttn cttttactgg tttgctctgg ggtnttataa 240
tatattgntt gactggctgg tattatcgaa ctagtagcaa taattatatg taaaaatggc 300
caagcatata aggtaaactt atataagtac cctaccttat ctgnatttca attttttttaa 360
actgcttttc caaatatgag actatgttaa agacactaaa aaaaaaaaaa aaaaactcga 420
gcctctagaa ctataggagt cgtattacgt agatccagac atgataagat acattgatga 480

gtttggacaa accacaacta gaatgcaggn gaaaaaaatg ctttatttgn ggaaatttgg 540
gatgctattg ctttatttgg aacccattat aagcctgcaa taaacaaggt ttaccaccan 600
caattgcctt tcatttttat ggtttcangg ttcaaggggg gaaggtggtt gggaaggntt 660
tttttaaatt tcggngggcc ggnggggggcc caatggcatt tggggccccg ggnnccccaa 720
ccttttnggt tccccttta aggggagggg gttnaattgg cgccccctn gggggtaan 779

<210> 1678
<211> 1079
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1079)
<223> n = A,T,C or G

<400> 1678
gnnnnnnnnn annnanannn nnnnnngnaa nnnannnnnn nnnngnnann nnnnnnnnan 60
nngnnaannn aaanannncg nngncnnnna ntannnnnnn cnncccgngn naannnaagg 120
ngnnnncccn nnnttttttt ngggaaaaac ccctnnnnnn nngnccnatn tttntcgggn 180
gaacagcctc ctntgggcan gggnaaaccc cccataccgt tggngtaana aanaaacncc 240
cnncgggncc aaccggcaaa gggccaacca accaaccaac cggncnancc naccatgtta 300
ccccgcaana ttntggtaac naggnaacnt caaacnattt actaccacca ggaaccatng 360
gatgggaaca aacctanaaa aagcctnggg gnacttcttn ccncntcctg tatnggnngg 420
aattattngt ngggggngngt canaanaaaa angtgctngg ggcncaagag gcnagnggtt 480
tganangtnn taccnnccag aatnggantg ggaaatgnng gccccctcca aaaananann 540
cagngcatgg cnagagacag ccattaatgc acgagaatac tacctaggag ctctgnctca 600
cangaagcgg nggggctgna aacagccctt gcaggaggct tgncctgcac gcnantngat 660
cggccttgac attggtcaac anngcccncc ncttgtggtt cccaggcctn ccaacatctt 720
ctcaangcnc tcataaggca ctatgtgang agctntgaga gganatacaa ttnncttagg 780
ggcgggagcc cttanancca naantnccan gngatggtaa ncccccattt angtaatgnc 840
ctctatgtgn agccccaggc nntggggatg naaaaaaacc atctaccagg gggccaaccc 900
actngnntcn taaanccaaa ccccnncttn gggaaaataa ngggaaannc cttccggtta 960
nccnnggnan taggtgaaaa nanacccaac cngggggcctn canggnacnc gncaacnnaa 1020
ggggngngga anngaaaaca cgggcgaacg ggggggtcgn ngnngggccc catccnnnn 1079

<210> 1679
<211> 1035
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1035)
<223> n = A,T,C or G

<400> 1679
ttntttnncc cnnnnnnnnn nnacggancc ctttaaccct ttttggggtt tttnccttt 60
tttttttgg gcccaanggg gnantacccc ccccntttcc cggnantttt tcccggnaaa 120
atttttcccg gggcccaacc cggnaagttt aaaanggggg gggaattttt ttgggttggg 180
gggcccattt ancccccatt tccaaaaagg ccccccaaaa ccccccattt tatttaccca 240
cccattttta ttgggggaaa aanggttttc caccaaaagg gaaanggaaa agaaggaagg 300
aaaaaggggg aaattggggg gncccgnaaa angtttttac tttaaaattt nggttgggnc 360
ccccccaaac ttttcccccn atatngggga aangaaaatg ggnctttccc gnttttccng 420
gaagatttna ggggnccccc nttnggntna nctttnacnc ccccccccgac ncnttttttt 480
aaaattgtcc nctctcaaag acagtagaga attttgaaac aagaaaaaag tgcttgcgtg 540
tctagggacc acatcagact atcacatatt ctcacagaaa cctgtaggca gaagggagtg 600
gagggatata tcaaaggcca attaactgat ctttgcaaga ttgcaggaat cacacagaaa 660

aaggtagtct tcaataactg tgttggaaaa actggatatc acatgcaaaa gaatgatatg 720
ggacccttat cttatccatn cncannnnan annnnnnnnn nnnnnnnnnn nnnnnnnnnn 780
cccncctntt aaaactntag ngnggtccgt ntttncgtta gatccngccn tgataagaat 840
nccnttggat ggagtttggn nccaacccnc accttaggaa tgcccgtggn aaaaaaaatg 900
gccttttntt ttggggnaaa attttgggga angccttttn ggcttttant ttggtaaacc 960
nntttttttaa gctggccaat naaacaaggn tttaacccan ccanccaant tggccntttc 1020
cantttttat tggtn 1035

<210> 1680
<211> 781
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(781)
<223> n = A,T,C or G

<400> 1680
agnttgactn cntatacaag ctacttgttc tttttgcagg atccctcgat tcgaattcng 60
cacgagggac attatatgtc tggaatttтc acagtaccct ttaattaaag agatatcntt 120
aattaaagta gctctggtga acagcaagga agtgggatga ggaaacagaa attggcagag 180
tccatgattt ggtccagatt aaactgccat gagtgactgt aacaaaaatt cagaacttat 240
gtaactcaaa taggtatatt tgagaaatag gtcggcacag gtcaagatgt gaaagcccaa 300
taaagctagg cagagacttg gtaagataaa aaaaaagtgc ctcaaaatgt tcagtgacag 360
tagtgccctg atacaggcag tacttaagga aaaatcagta tttaagggaa gagctgtaaa 420
gggtctccag gagtgggcaa agtatgtttt taattaaaca ttttattttg agatgattgt 480
atattgatct gcagttgtaa agaaataata gagttccagt gtcccctttc ctgttttctt 540
ccaatggtag cattgtgcaa aactatggcc aatatcacac caggacatta atgttgatgt 600
agtcaatatg tagaacattt ncattccccc aaggntcccc cagtgctgct ctttttatt 660
ccacaggtca ccttacccca ccctcatttc tttaaccctn ttggcnaccc attnaatctg 720
gcctcccntt tcttaccaat tttggnattg ggaaataatg ggtattntca attgggaatc 780
n 781

<210> 1681
<211> 756
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(756)
<223> n = A,T,C or G

<400> 1681
agnttnacta canatacanc tacttgttct ttttgcagga tcccatcgat tcgaattccg 60
cccgagaaga atgggggtaa tctggatggt atagttttta gggggtgaaa tttagctgtt 120
taaatcatag gctgttgaca tttgtgatta cttcattgct aagttttaca tataagagtc 180
ttcatacttt gtttcaggga cagaatgatg ctgctgaaat tggaacaaga aattttagat 240
ttcattggta ataatgagta agtcctgaca ttcaacaaga aaagaaattg tcatcaccat 300
tctccttgac ttactaagtt ggtttttctt gtgcttctag gtctccacgt aaaaaattcc 360
ccccaatgac atcttaccat aggatgctat tacacagagt agccgcttac tttggattag 420
accacaatgt tgatcagagt gggaagtctg tcatagtaaa caaaactagc aatacaagaa 480
tgtaagtgtc aagagatgta actacatatt atatatctaa ataataatac tttatctttc 540
tatattacct ttcatctgag ggtttcccat gttttaacag tctaattaaa gttttatgat 600
aaccttatgt gataggactg aaaaacacat ttagtttact gggaaccaaa atgcaacagc 660
ctggactcaa atttggcata tgaatganga ctggggcata tngtaaaaaa aataaaaaat 720
nccgangaca tagtatcagt ggtggtttgg acancc 756

<210> 1682
<211> 841
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(841)
<223> n = A,T,C or G

<400> 1682
ttctatnnnn ctacttgttc tttttgcagg atcccatcga ttcgaattcg gcangaggna 60
ctntncatna ccaggcgcnn nagttggctg cnaactngcn gnaccgngng tttgncntcn 120
atgaantgcc nncgcccaga tncttcacct tcctnatnga tgcctgccna ggactggaac 180
ntgctcnnaa ngtnctngnc tacccctgcg tntacagttt ttacngncat gacccaaagt 240
acattgatgn ggtngagnac tnganagaga acctgnactg cacancaatg ccctgcagat 300
cctnctggag naaaccctgc tgcggtgcan agacctgctc tcctgcctgc gnntcctgna 360
ngccgactgn cttacacngg cttngatctg gtcctgggga tacaaganag ctgctngcna 420
tcnttgcttt attatnccca anattncngg ntttggtttt cncagtccat naaatntatg 480
cctgggaggc taaatgaccc nacatgctnt ggcanttagc cccnggnctt cctcagggcc 540
atnagctgaa gaaggnaggn nggaataccn ttacngatna tgtgccncga ntggntagcn 600
ntgntnattt ttgattgaag gancttggac caatttacng ctttttcntt ncggatgaag 660
gatttgaaaa actttngtac naanaataac ttttcntttt tttgccgaat gaagggaaan 720
aatgnttcaa attanttaan ggccttatan tntgnanngn gggcttnttg ccccgnaaca 780
tccctntaaa cnaggccccn aannttntcg ggggntttan gggggggttgg naacctgccn 840
n 841

<210> 1683
<211> 739
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(739)
<223> n = A,T,C or G

<400> 1683
gtnacacaat aaagctcttg tcttttgagg atccatcgat cgaattcgca caagaactgt 60
ccccgttatt ntgtccatac agcaccagcc ccaatgggcc ctgaccacct ccttccccag 120
cagaaacgcc ccttcgtggg tgttgaaaat actttctatt ctgggtcaag caccaagaat 180
gccttttttcc cttctgcagg tcctccagtg attcccctta agaatgcccc tttcaaagcc 240
acccccccat cgcagcggca cagctccctc tagagttcct tcacactcac atcctctccc 300
gcctcaggta gaaatatccg cctgcttagc tccaggctcc catgacatac tcccgtacct 360
cctctcaccc caccctcatc gcggtcagcc cgtcttcatt acttctgcca cagaacagtg 420
tcccgcagtg aggcggtgaa gccttccttc ccagaatgtg cctcatcctc ttcctatggc 480
gtgaacaact gttgccctga cctgcagctt ctcacccagc tctcaggcta tcgtcctgga 540
ctccctaggg aagaccctgg acttcactag ggtgtgactt cttttctcgt aggcattcct 600
tctgcgttga acgcatattc actattctag ctgaagggta taatatacag ccacgaaggg 660
ggtcgataca cacagtgtct cctgngcngg gtctcacagt ctanttgatc agacaccant 720
cgacaaagat cacggggtt 739

<210> 1684
<211> 1201
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (1)...(1201)
<223> n = A,T,C or G

<400> 1684
ttnctcccgc tttggtctcn tcatcgcngn aatnccgnct gtcttngggc ccggcngntg 60
ctcccgcgcc cttgttatct gggtctcctg aatcttctgn ttttggcccc agtttaaang 120
attcatcccc ggncnggggg ttttnnttttt ttnccnttgg ggggggnttn ccccccttccc 180
cgggggggtgg nttnnnggnn ctttccnggg ccctcccccng gcnacccagg aagaatcccc 240
cttcctttgg gggnggtttt ttcaaagtta ccccaccaat ngggggggaag aaatnaaaaa 300
gggggggttt tttgggaaan ccattggaaa aaatngganc cnaaaaaaac ccaancccan 360
gcccaaangg gaaaaggnaa aaaaaaaagt tcccnttngg gtccccccctt tttttttttc 420
caantttnan cctttaantt ccaangnaac ccttccaaaa aaattaaaaa aatngggttc 480
cntttggggg ggcctttcct ttttnaancc aanttttnan ccnaattttc ccaanttttc 540
cctttttncna aaacccccaa ntttnggggn gggggggtnc cctnggggggc cctttttccc 600
ccaacctttt nccccntttt tcnaccnttt ttcnancccc cnaaaaccaa nttgggggggc 660
ctttccttng ggcccccnaa aaaangggggg aaaaagnccc ccccgggggg ggnaatcccc 720
tnctttttaan ggggncccccc attccaaccn ttttttaaaa attnggggaa ancccttcctt 780
cntttaancc aaaaccaatt tttnaatncc ccnggggggt ttggggtttt aaaaaagncc 840
ccccttcccn tttaaccaaa anccaaattt gcctttccct ccttcctttt nggggttttt 900
tttaaataaa gggcctnccc aattctttct tnccctnggc ttttcctttt naaaccttng 960
gaatnaaatn ggccaatnac ctttgggaat ttttttcctn aatttngggt taaattttca 1020
atnaaaaccc caatttttaa ntnccccccg ggattaaaaa atggacctgg gtntttatcc 1080
aaaaccattg gttttggtat ttagaaaaaa aangggattt ttggggaagg ccctcttcaa 1140
tatggtnaaa ttaaggtnct atttaaacca tanttnaaat ggngaaaaaa aaaaaaaaaa 1200
a 1201

<210> 1685
<211> 752
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(752)
<223> n = A,T,C or G

<400> 1685
ngnttgantt cgatacagct cttttctttt tgcaggaccc tcgattccna ttccggcccg 60
aggncggaat cncattggga tccagccttt tcctcttatg aatgggtcta ccgccaggtg 120
acgctcaatt gcacgaagct taaccttatt cataagagga aaagacagaa ttcacattgg 180
gatccagttt ctttaatatc tcatgcactt aaacagaaat ttgcatttca agaagatgat 240
tcttttgaga aagagaatag atcttgggaa tcttccccat tttctagtcc agaaacttca 300
aggtttggac atcacatttc acagtcagaa ggacagcgaa ctaaagaaga aatggtcaac 360
acaaaagctg ttgaccaagg tatcagcaac acaagccttc taaactcaag gatttaaact 420
caacttaagg ntgagcttta aacttccaaa acttcttcct ggatgataaa ttattcttag 480
aaactgattt ggactgttaa aggctaaaag tagatgtatt taaagactct tcttgacaca 540
ttttgcctac acttgctatg taaatatgta tgcctgncat ttttggttcc tttggtcctt 600
tttacgttta tactctggtc ttctgtcata gagcttaaaa taaacattct tttttgnact 660
tggaaaaaaa aaaaaaaaaa aaaaactcga gcctnttaaa ctatagtggg gccgtnttnc 720
gtngaancng acctggataa gatccttggt ga 752

<210> 1686
<211> 733
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (1)...(733)
<223> n = A,T,C or G

<400> 1686
ntttgatncg ttctnctctt gttctttttg caggatccca tcgattccgg gaaatatcct 60
caccttaaat ccttatctgg ccgttactca gggatatact aggaattatt gtcatcaatt 120
atcttcaata atagcatttt tggtcaaatt aaatgagtgg taagcttctt cacaatgtga 180
ccattgaaat tgaatggttt gttctgtacc tttttgcttc agcaatcaat tttctccatt 240
aagatgggac ttgtacttta attcagatat ggtacctccc gaatagaaaa taaattatgt 300
taatatagtt gtaataataa gtgtgtgtta agatttggtt actataaact actgatttgt 360
taaaacttga ggaaattacc ataaaatgtc tactgaatca atttttcctg catttagtct 420
taatgtcaat tctgtcattt cctctttcat taagaaaaat agcagtggcc aggcatggtg 480
gctcacgcct gtaatcctag cactttggga ggccaaggca ggtggattgc ttgacccaag 540
agtttgagac tagcctggnc cacatgggaa accctgtctt tatnaaaaat ataaaaattg 600
gncangtgtn gtggcaccac ctgtggncca cttcttggga ngctgagcag gaagatcgct 660
tgagttcaaa anttcagctg caatgagccg aatcctgccn tgcactccan cttggacaan 720
tgagacttgc ncn 733

<210> 1687
<211> 740
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(740)
<223> n = A,T,C or G

<400> 1687
agtgnttgat ctnctcttgt cttttgcgga tccctcgttc gtctattgat tacatgagtc 60
tactttataa actggtatag gctatgtaat tagcccgtaa gttacttaaa ggaccagggg 120
acctaatttt tgtcagtttt ccagtcacat tggtgccatt caggactcca gctgtttaca 180
ggaaatatgt acttagcaga atagtatttt tccttgaaaa aaatttgaat tcagcctaaa 240
tacagaatga atatgaatag tttgtgaaaa gggttagaga acaacaatat tcctatagtt 300
tctgtattaa tgcagtagag acagaggttc ctaacgcaaa aagaaaacca caagtaaaga 360
ccgtcaaatt agagctttag aatatgactt gaaaaagtag ggatgggcaa aacagcataa 420
gaaaatattt tttcttaatg cagatggaca gtgttttctt gttttaaaaa tgttttgcct 480
atttgccagc atttttgaa gtaatacact gctgctcctg gaagatgtct aacttcattt 540
tctacaactc ttatgtgatt ttgccattgt cattaagatg cattgatttt atttatgang 600
tgtatgactt taaatatcta aatgctgtat taagtgactt gtttcaaang gaattaaatg 660
aagtgaaaac cgtaaaaaaa aaaaaaaaaa aactcgagcc ctttanaact atagtgaggt 720
cgtnttacgt aaaatccaga 740

<210> 1688
<211> 787
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(787)
<223> n = A,T,C or G

<400> 1688
gtnattaata aactattgtc tttttgcagg atccatcgat tcgaattcgg gacgaggcca 60
ngctgtctgc ggatgctcct gctgctctgg ttcaaggctg gcctccagac ttcacccccc 120
atcgttccac tggacagaga gacccaggca cagcccccgg atggtgacca cagccctggc 180

aaccatgagc agtcctacgt ggggaagcgg tcaaaccggg tggtgcgaac cctccagaac 240
acgccgtccc tgcactccag gcactgggga gctccccagc agcgggaggg acggcagcag 300
cagcatcacg aggagctgag tgcgaccccc acccccctgg ggctgcagga gaccatcgca 360
gagtttttgt acattgcccg gccgctgctg cacttgctca gcctgggcct gtggggtcag 420
aggtcgtgga aaccctggct cttggctggt gttgtggacg tgaccagcct gaaccttctg 480
agtgacagaa agggcctgac ccggaaggan cggcggganc tgcggcgccn gaccatcctg 540
ctgctctact acttgctgcg ctctcctttc tacgaccgct tcttcgangc caaggatcct 600
ntttcttgtt ncaattgctt ggccgaccaa ccttccttgg cgnttnggcc ttggtcacna 660
agggccgctt cattgggatt tacnttggcc caancttggc caaaaaaaaa ttntaacttt 720
nttacaagtt tnggggggcnt tgaacaanaa acnttccccg gaaaaaggaa agggtttttt 780
gggggaa 787

<210> 1689
<211> 744
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(744)
<223> n = A,T,C or G

<400> 1689
agtttnatat agantacaac tacttgttct ttttgcagga tcccatcgat tcgtccagtc 60
gcaacggccc agaccttgac cttgccactt ccgggcgtgg ggtgaaatct cttgattcct 120
agtctctcga tatggcacct ccgtcagtct ttgccgaggt tccgcagccc acctgtcctg 180
gtcttcaagc tcactgccga cttcagggag gatccggacc cccgcaaggt caacctggga 240
gtgggagcat atcgcacgga tgactgccat ccctgggttt tgccagtagt gaagaaagtg 300
gagcagaaga ttgctaatga caatagccta aatcacgagt atctgccaat cctgggcctg 360
gctgagttcc ggagctgtgc ttctcgtctt gcccttgggg atgacagccc agcactcaag 420
gagaacgggt aggaggtgtg caatctttgg ggggaacagg tgcacttcga attggagctg 480
atttcttaac gcgttggtac aatggaacaa acaacaagaa cacacctgtc tatgtgtcct 540
caccaacctg ggagaatcac aatgctgtgt tttccgctgc tggttttaaa gacattcggt 600
cctatcgctc tgggatcana naananaaga ttggactcca ggctttctga atgatctgga 660
aaatgcttct gagttcttca ttggtgtcct tcaccctgtg cacacaacca actgggattg 720
accaacttcg gacaatggaa acnn 744

<210> 1690
<211> 754
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(754)
<223> n = A,T,C or G

<400> 1690
ngttatcgtt cactcttgtc tttgcagatc cctcgattcg aattcgccga cagcaactca 60
ggaggctgag gaatgagaat cacttgaacc cgggaggtgg aggttgcagt gagcccgaga 120
tcgccccact gtactccagc ctgggtgaca gagcaagact ctgtctcaaa aaaaaaaaaa 180
atgccactgg agagctttga ggagaggatc agtctggcta ctgggttggg aattaatcat 240
agcaggcaaa ggcaaaagaa gtgaggttag ttaggaggct ttacaacaac ccagatgaga 300
gatgggaggt tttagccagg gagatggaga tgttgagaga gtagctggac tcaggattgt 360
gacagtggac tgaaggaaaa gcaggttttg ggggaagatt gcatttctcc cttcaacttc 420
agttacgtag atcacccata tgccacacaa ctgcaactct gtaacagcca atttttagct 480
tcttccttat ctaagccatc ctgtaggcca taggaattaa aactaggttg gatcaaagga 540
aaagtgaatg ctagatccat acaaaactat tttggatatt tgcctttgta ttttattggt 600

ttgaaattat ttttaatggt tcaataaact cttactaaga acttcccaaa aaaaaaaaaa 660
aaaaaaaacc tcgagcccnt tanaactttt agtgagtcct nttacnttaa atcccaacct 720
tgatnagaat ccatttgatg anttttgga caan 754

<210> 1691
<211> 830
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(830)
<223> n = A,T,C or G

<400> 1691
attcnttnna nctattgttc tttttgcaga tcccatcgat tcgattcggc acgaggctga 60
gagacccctt gctgatgcag ctctgatgtc cccggntctg gnagagnang nctttttgtgn 120
gntgncnngt tncgagtacc agtgacntgg tggatttgga actgtatgcc naatggngtt 180
atccnnggna ngtttgtctn ntgtnggtan angcctnnaa cncttanntg ntgggtggag 240
gaactntttt attnatttgt acntccgagg ggncanngan ccctttanng aggtgntcan 300
gccacacncn aaaagntgng ccnaganaac cgcgactgnn tgnctttgct nctnatctgc 360
tgaanaaaaa ccaccncttc tnattggant tactcngagc ttccaggata aagtgacatc 420
ggcagananc annntgctgn tagatngana catcagtgga ggacttncan tgngactttt 480
tnancctgtg gaancnaaaa cnaaagctta ttaagntcct tggccgaggc ctttataana 540
tnttaacttt gnctctantg tatnttggga ncntccttna agctttcnag ggggggccan 600
gatnnaactn ntnnnttcnt ntaaattttn naaangctng annnccttaa tttagatggn 660
aaaaaccnng naannttggc ccnantngnc tttgcttcca ntcnggttng ttaaaggcta 720
atgnnccnnc taaagnccnt ananggttnt atancttccc tggtaccntn tttgnaaccc 780
atangccttt nnttatnaaa aaagcttggt attanggnct cnttanannn 830

<210> 1692
<211> 1436
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1436)
<223> n = A,T,C or G

<400> 1692
gnngantgag nagngnngna ananaanana ggnggnnncg gnganganna nnnnnnannn 60
ggngncgnnn nnnnnttttg ggaaaccctt aaannagntc ccaangagcn ngntgagtan 120
angacnnnng aacacaagan ngagngnntn ngnagtgaan gngggnggan ngaagtgaaa 180
nttnttnggg nagnccngnn tgnccnnggn gagtanngga ncgntnngga nanngnnnaa 240
nntnngtaan aanggactaa naangngntg naannggann ncggangngn gagnagagan 300
tgantaanng nggnggaacn ggatgcggag tnnccaacan antattaacn gnntnngggc 360
gcgggangng ggncagaagn ganntggtnc tannagaggg cgtaatgang nggagnnnnt 420
gnnananagc gnggaggggn aannangtgg gaatnngagn ataggggact gggannnggn 480
cngacaaann nnnnanannn gggcgggcgn gnanntgggn ggaatntggn gtaatgancn 540
aaggtacaga ngaaaagacc ngagtcgtaa gcngangtgg ccgggtgatg tanaacnnat 600
gaggtgggac cangnangtn cgatgnggng nncggtnata acagaaggag cnnnatgggn 660
cangangatn nangataaag tngggagtat nnttnnaggg ggngacatan tnttgaaggc 720
acgaataang gngtagaang antgtcngcg nannagnata nggagggang cnggggngag 780
ncctgaaagg ggtnnnngac gagngacgtg gcngnaggan annntaangn nacggtggnn 840
gcgcgagncg ngncntgana agaanngnng cgacnngaga gtgggnatag tgtagnagga 900
aagagagngg tagcgtnaac aganacgcng nnggatatgg gggcgtcngn gtcnagatan 960
cgacnatcnn ngangnanga gtggnnatca gtnantngna acgatngaga ncganataga 1020

gngggcgana ctggaggggn anannggggn acgtgaagnn tgacgnnggc atnnngctac 1080
acgnngcgcg ggagaaggtg aaggggganga nnatgatgac gngnagagan gnnaagagan 1140
tangacagaa cnagncagta gnagaagnag agacgtgaca ntgangtgan ngcgcantnn 1200
gaacgcanac taatggacga ntncataanc nagatngcgt gncgggagna aagaaggtgc 1260
ngggagangg aangangaaa tgggacgtaa taagaagant agaaggggcc annggaagag 1320
acatgngngn gggaggnngn ggatanaggn cgggggggcgn gatggccgtn gngaagnngn 1380
aatnactggg gnggnaaana naggacncgc gncncgggga ggggaaacaa nagnga 1436

<210> 1693
<211> 767
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(767)
<223> n = A,T,C or G

<400> 1693
tntgaancct ttggaactcn tgttcttttt gcaggatccc atcgattcga attcggcacg 60
agggtggctc atgcctgtag tcccanttat tcaggaggct gaggcatgag aatcgcttga 120
acctgggagt agaggttgca gtgagctgaa attgcaccac tgaactctag cctgggcaac 180
agagtgagac ttggtctcaa aaaaaattaa aaataaaaaa taaattgggg gctgagtgtg 240
gtggctcatg ccttcaatct cagcctccca agtagctggg attataagca tgcgccacca 300
cgcctcgcta attttgtact tttagtagag gtggggtttc accatgttgg tcaggctggt 360
ttccaactcc tgacctcagg tgatccgcct gcctcagcct cccaaagtgc cagtattaca 420
gacgtgagcc cgctgtgcct ggccgagtaa ttttttttta aaaaaaaagc ctctagaact 480
atagtgagtc gtattacgta gatccagaca tgataagata cattgatgag tttggacaaa 540
ccacaactag aatgcagtga aaaaaatgct ttatttgtga aatttgtgat gctattgctt 600
tatttgtacc attataagct gcaataaaca agttaacaac aacaattgca ttcattttat 660
gttcaagttc angggganngt gtgggaggtt tttaattcgc ggncgcggcg ccatgctttg 720
ggcccgtncc aacttttgtt ccttttatga nggttaattg ccccctn 767

<210> 1694
<211> 779
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(779)
<223> n = A,T,C or G

<400> 1694
nnnntttnnn atcctntaca actacttgtt ctttttgcag gatcccatcg attcgggaga 60
attcccttat tgctcacttc tctgagcttc aaggttctga agcatccaga taagaagttc 120
cgggttggcc aggccctgag ggccaccgtt gttggcccag attcctccaa gaccctctta 180
tgtctgtccc tcacaggtcc tcacaagctt gaggaagggg aatggccatg ggccgagtgg 240
tgaaggtgac tcccaacgag gggctgaccg tctccttccc ctttgggaag ataggaacag 300
tcagtatatt tcacatgagt gactcctact ccgagacgcc cctggaagac ttcgtccccc 360
agaaggttgt cagatgttac atcctgtcca ctgcagacaa cgtattgact ttgtcgctgc 420
gatcatccag aacaaacccg gagacgaaaa gcaaagtaga agatccagag attaactcca 480
tccaggacat taaggaaggg cagcttctga ggggctatgt agggtccatc cagccacacg 540
gtgtgttctt tcgccttggc ccctccgttg tgggtttggc tcggtactcc catgtctccc 600
aacacagccc gtccaagaaa gccctttata acaaacacct ccttgaaggg aactgctcac 660
agccagggtc ctacgcctta ccaccagaag aacctggtag aactggcttt ncttcccgga 720
gacactgggn aagccagacg tgctttctgc ttncttggga agggcaactt acaaagcaa 779

<210> 1695
<211> 691
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(691)
<223> n = A,T,C or G

<400> 1695
ctnatngatc actcttgtct ttnagatcca tcatcgaatc gcacagatga catgaaatgg 60
tggccacacc ntgtgctgct atcaagtgat ggctgccaga tctgggcngc ccagacctat 120
ggatggctgc ctcaggtgca gcatcactgc ctggtttgat ctgcctgtaa atcatcctta 180
gctgattgct gaacttgcat tgtgattgcc tgtagagttg ctgagaggct cgaggggtgg 240
gctggtatct cagaaagtgc ctgacacact aaccaagctg agtttcctat gggaacaatt 300
gaagtaaact ttttgttctg gtccttttg gtcgaggagt aacaatacaa atggattttg 360
ggagtgactc aagaagtgaa gaatgcacaa gaatgggatc acaagatgga atttagcaaa 420
ccctancctt gcttggtaaa attttttttt ttttttaaa aatatctgta atgggtactg 480
actttgcttg ctttgaagta gctcttttt ttttttgca gtaactgntt tttaagtctc 540
tcgtagtggt aaagtatagt gaatctgcta cacaatttct aattttaaaa attgagtatg 600
gtgtagaaca ctaataatca taatcactct aattaatgga atctgaataa aggnacaatt 660
gngtaccttt tgtataaaat aacaaatana a 691

<210> 1696
<211> 774
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(774)
<223> n = A,T,C or G

<400> 1696
cnctttacaa actcttgttc tttttgcagg atcccttcga ttcgaatttc ggcacgagct 60
gcattgtcca ctggacgttt tagtcatatt nngacaccag ttgtttcctc cactcccaga 120
cttaccacat ctgagagaaa ctggcttgtg ggngtcctcc ctggtcctta tagaatggcc 180
cccgtgcttc cnagtgtnct gnagctgncc gtcngatctc taacntactt cagtgcngga 240
aaaggcaaga gaaagaccgt gaaagctgtc atcgataggt ttcttcgact tcattgtggc 300
ctttgggtga ggagaaaggc tggctataag aaaaaattat ggaaaaagac acctgcaagg 360
aagaagcgat tgagggaatt tgtattctgc aataaaaccc agagtaaact cttagataaa 420
atgacgacgt ccttctggaa gaggcgaaac tggtacgttg atgatcctta tcagaagtat 480
catgatcgaa caaacctgaa agtatagatc agaagtttca cttgtttctc agttattgga 540
tatgtatctt tgtgtacata tctttgcaaa aatggataag tacaaaactt gatgtaaatt 600
gtccaatgaa tatgtnaaca tacnagtgac aacattaaac ttagaaaagt tttaaaactt 660
aaaaaaaaaa aaaaaaaact cggcctctag actatagtga gtcgtattac gtagatccag 720
acatgataag aatncattga tgagtttggg ncaaaccaca cctagnaatg cang 774

<210> 1697
<211> 1199
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1199)
<223> n = A,T,C or G

<400> 1697

ttttttaga gagggnnttt nttttgnttc cntnnnnnna gagggggnna atngtnnaag 60
nnncgnnang tntgcgggnn nnnntnncta ngtaccccgn nttcncctta tttnnttntg 120
anctgcgtnn tttancttac tttagtnaat tnnttgnngg nngcnctttn gtttttgggn 180
atatttttgn aatatngctt ntttttnata tctggtacga nnntttgntt tntntannta 240
attttttgct gttgantgta gnagnttcnc tgtgtatatc tnttcngnnt nanncnttgc 300
ttcggcntta ngtngnattt ggtngtttgc atgtntnnag atanntatnt ttctngtcag 360
ggnanttgnt gntgntgntt ctgntctntn tctnntgggg gtttnnatnt nagtcttgta 420
ttnntatnnc tacacnttgg gtgtatgnac atatatnnat gnntnanggt ggtatnttan 480
tngatntcgt ctctcggngt gnatatatag nnnagtgggt ngncganntg ngaaacgtan 540
ggntagcnta ngtnntcttt tatncgtggn aanngtgtta ttgtttggct tactcnatnt 600
gtcctagang tgngnncata tggcccnata gtgggnagac ctcaattctt anntactngg 660
ngataagtat ngaatanggt gnggtanant gtnggnacan tttgtgnnta ttttcaantn 720
ggtgngnngg tgtaangccn cctttgantt gtantnttca atgcgngtgt atannctngg 780
tncttctgat atnggggnat tgggtanagc tccnctgctg ntgtgtatat ngatggnggg 840
gggtcaccgt aatnttatng ctntgtnnng cnccatgatg gagnntggng taattgnanc 900
gattttnttt tgnatnttgg atnngttgng anctcntggg gtaggcacnt tcatggctgc 960
anntncnggg gtanggangt gcnnangctc tggggtntgg nncgtgancn cctagngtgg 1020
gtaattggnt cntnntttga ttaccattna atnaatagca tnggnttnng ntatnattan 1080
tgnnagaatg gtgttncctt gatcntatat nttaantcnt tnatttatnt tgattgtntn 1140
ngggganttat gcttntggtg gnattgtctt ntnnnagact natatntnta ttgtattnn 1199

<210> 1698
<211> 783
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(783)
<223> n = A,T,C or G

<400> 1698

agntttnaaa atatcanata caagctactt gttctttttg ccaggnatcc cattccgatt 60
cgaatttcgg caccgaagga aacccgccca ctttctttgg gatcnttggg anggtgggtg 120
gttaaanggn aacctcnaag tttttcaaan ctttccaaat tgctcacagc ttgatcctaa 180
gggnttgaag ccatcccttg tcaatatatt tnggtnggta tcggtcaact ggtgccatca 240
ttgccaatgg ggatcaccaa agcctgccgg gagctagaac tcaaggtgcc cctggtggtc 300
cggcttgaag gaaccaacgt ccaagaggcc cagaagatac tcaacaacag cggactcccc 360
attacttcag ccattgacct ggaggatgca gccaagaagg ctgtggccag tgtggccaag 420
aagtgatgtc tttgtcctga tccaatggag aaagaaagcc atttttccgt aaaaagggat 480
ggttcatcat tgtgaaagaa atggttatct cattggggaa gaaaagggga gggggaangc 540
aagaatcact tgaaaaatct taaatctgtg ttttctggaa taaagatatc tagacagcct 600
aaatctgatt ttggtcttta tnaaaataat atcttgnggt ctcatacttt tctgtcactg 660
taagcctgcc aataggcagt gttttgcaaa cttttgggga gtggtctatg tngcccaata 720
tttgtgtgta tagacagaat ttgaaatcaa tctgttcntt acaanaattt ggtgggcatt 780
aat 783

<210> 1699
<211> 792
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(792)
<223> n = A,T,C or G

<400> 1699

tnannccttn aactcttgtc tttttgcagg atcccatcga ttcgaattcg gcacgaggca 60
ctttccatca ccaggcgcgg gagtntgctg tgaacttgcg gaaccgggtg tntgccatcc 120
atgaagtgcc cccgcccana tccttcacct tnctcaatga tgcctgccat ggactggagc 180
angctctgaa ggtgctggcc tacgcctgcg tgtacagntt ctacagccag gacncagagt 240
acatggatgt ggtggagcag canacanaga acctggagct gcacaccaat gccctgnaga 300
tcctcctgga ggaaaccctg ctgcggtgca nagacctggc ctcctccctg cgcctctgcg 360
ggccgactgc cttagcacgg gcatggagct gctncggcgg atccannaga ggctgcttgc 420
catcctgaan cattctgccc aggatttccg ggttggtctt canagtccat cagtagaggc 480
ctgggaggca aaaggaccca ncatgcctgg cagtcagccc cagccttctc anggccagag 540
gcnnaatagg aggaggaaga cgatnacgat gatgtgcccg antggcanca ggatgagttt 600
gatgaggaac tggacaatga cagcttcttc tacgatgant ctgaaaacct gtaccaaaaa 660
actttcttct tttggnggat gaaggaaaaa aggatgaaaa atganggcct tntgacttga 720
nggggcaaca tgcaaggaaa acaacctaaa agcaagnccc caaanttcac nggggcttna 780
ngngggcgng aa 792

<210> 1700
<211> 769
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(769)
<223> n = A,T,C or G

<400> 1700

agntttactt cgatactcct acttgttctt tttgcaggat cccatcgatt cgatttcngc 60
acgagacatg gngagttatg cntatctgaa attgaaagaa ggcttgtttt taaagaggct 120
tggagcaaac tgcagcagtn ctttccaaag gctcctgagt ttccaagttn caaagagtgg 180
ctggttcaca gtgcaggatt ttagaaanga gaaggggaag aaaatgaanc cttacataag 240
atgattgcaa acgaaccaaa agacttctct cccaaatttg ttccaggata aaaacagacc 300
gtgtctcagt aactggccag angatacgga tgtcctctac atcgtgtctc agttcttttg 360
tagaagagtg gcgggaaatt tgntagaaag cctacaagat gcagccctgt gtcatcagtt 420
ggggaacagt gctcttttgt gtccccacng gggcctcatg tttacatttg cttccatgac 480
caaagaagat tctaaacttt atagctctca tatggcccaa tgagtgggca aatgatacaa 540
aaagctcttt ggtgtggatc atgtaattna aaatcacgag aattggaagt gggagatgtn 600
aacccttcag aaacacagta tatttcttga gccccaactc tgtccanaat gcnaaanaag 660
gcttattgtg tcagcagcag anggacctgc ttgaatcact caagccccca tctattgtcc 720
atnaagttgt ggatnattaa aaaggtgatg aaaggattcc gcttccgaa 769

<210> 1701
<211> 762
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(762)
<223> n = A,T,C or G

<400> 1701

ngttgactnc gnatactcac ncttngttgt ttntgcagga tcccatcgat tcgaattcgg 60
cacgaggttc agtgctcccc gggattactc tggctattca acgggatggn tntcagcaga 120
attcaagcga ggctctgggc agagtggacc acggggagcc ccacgaggta atattttgtg 180
gtggtgatcc tagctcctaa gtggagcttc tgttctggcc ttggaagagc tgttaatagt 240
ctgcatgtta ggaatacatt tatcctttcc agacttgttg ctagggatta aatgaaatgc 300
tctgtttcta aaacttaatc ttggacccaa attttaattt ttgaatgatt taattttccc 360

tgttactata taaactgtct tgaaaactag aacatattct cttctcagaa aaagttctag 420
ttttcaagac agtttataat aaactcttaa gagaacattn tnnaaaaaaa aaaanannna 480
nannnaanna nnnnaannna anncctcgac cctntaaaac tatagngagt ccgttttccg 540
tagatccaga cntgntaaga tacattgatg agtttggaca aacccccaac tagaatgcng 600
nggaaaaaaa tgctttttt gggaaatttg ggaagctatt gctttatttg gacccttttt 660
aagctggcaa taaacaagtt aacaacacca attgccnttc attttatgtt ttcaggttcn 720
gggggangtn tgggaanggt tttttaattc ccggnccggg gc 762

<210> 1702
<211> 729
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(729)
<223> n = A,T,C or G

<400> 1702
nttnatncgt tctccgcttg ctgcntggcg gaccctcgat tcgaatcgcc cagataagaa 60
atgtcttgcc taagattaaa tntntatgga tatttttcct aagaaangtt ttagaaaaga 120
ctgatgagtg tatttctatg taattggaat atatttaagt tcatgccatg tgtcttgtgg 180
tttccttatt accaaaacgg tgactgaaga aacgcttgct ttagaaatac attgaattgg 240
ccaggtgtgc tggctcacac ctgaaatcac aacacattgg gaggccaagg cagaaggatc 300
acttgagccc aggagttcga gcctgggcaa catagtgaga ccctgtctct acaaaaaatt 360
aaaaaattag ttggccatgg tagtgggcgc ctgtagtccc agctgcttgg ctaaggtgag 420
aggtttgctt gagcctggga ggttgaggct gcggtgagct atgatagcac cattgtattc 480
cacctgagta acagagaaag accctgtctc agaaaaaaaa aatacattga attggttcct 540
gatgggaaag taaatactct catgcccagt taggagtgag tcagggnttt taatatgcca 600
ctttttcttt ctcangcaac tcatgcngca attncagaac cccgactttc caccgagtag 660
aggacaggat gccacacctg cctgtgtctt gtgcctggga gagtgggatg aaacccncag 720
acaanctgt 729

<210> 1703
<211> 745
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(745)
<223> n = A,T,C or G

<400> 1703
antnnnnant nntaagtggg gntntannnt tttanancnn nnatnanant naggggggaga 60
taaatnnann nccttccnga atgggtncng agctaggaaa aagntccatg ctatgtgnag 120
aacgaggtgn gngatgcaga agcctggntt aatgggacca acctagctgg gcagnntttt 180
gtggaatgag cagttgnaga ntgaatatag ctttgatntt acttntcnac ctgngttgtn 240
nagcacgcta cagttgtnga gatcaacagt catgtggtgc acaggtngga tggtaaattn 300
nagannttg nntatagagg gaaagnttcn gtggttgaga gttacagacn tgcnaaggga 360
gtnctgnagn caaanacctn gtanattgat aagccattgc atcattacca aaaatatgga 420
ccgcanggaa agcnataaca naanttggtg gaggaactga annggantac ttgaggaaaa 480
ggnntgggan ttgtantana actgtncacn attcttttnn tttaagagcn ttaanaagag 540
gatggtntaa ancacaatgt tnttttaagg gaganttgnn anantaaagn nnaaacngga 600
aagaagtggt anagantcat tttgnccnaa gaaccggaan acaaaanata aangntngat 660
ttggtcttac nnaccnaann tgagtgagan aaantcntgg nanaaagaaa gaatgatngn 720
ngaaaagcaa aaaanacaat ggacn 745

<210> 1704
<211> 670
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(670)
<223> n = A,T,C or G

<400> 1704
cgactggtca gggttnnnct caggaagctg agttccagct tgtttccttg gcagcactgc 60
caaagagtta gaccaagctg cagcttttga ggtgaaaggg gatggaagaa agtactgtta 120
cttttccact tagaattttt ggactttgtt cttaatgaat aggttcattt tcaatttcaa 180
agcaaagtgt taacattttt gaaatttgtc tcaattctaa aggccaaact taaatatgtc 240
tcctcctact ggggcatgga gcaagttatt catcaaatac agattctcgc atggaaaaga 300
aagctaggat agtgtgtcgc tgctgctctg tggcaaagaa cagctccttt ctaagcaaca 360
gcctcactct actagaatag gtctgagcgc gcccattcat ggctgattgc aacttccact 420
gggtgggatt tcagatctag aatctgtttt cagatgcctt aaagagaaga catagaaaca 480
cattcttaac agtttcaggg gagatagttg ggatagtttg tagttttgct taggttatat 540
gtgtctgttt tctgcttttg gtgttaacgg actaaccctt antttggtg gttagagaag 600
tgatggggaa gaacataaag aaagctcaga tgacattgnc tttgctttaa atgtgtagtt 660
tttctctcnn 670

<210> 1705
<211> 1228
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1228)
<223> n = A,T,C or G

<400> 1705
gntngacant tnaataagan ggggtnatna nngcatttgn aannccnatn ncnnananta 60
gnggggtatc nntantgntg nnnanacgnn cgngaanttg ntgggagnta ttctntatta 120
nttttccncn ttttantnat cntnncctng ntggcnntnn tantnganga ntaagtnnan 180
tcatccnnct accncncatg gcgttttctc tnttcatant tatctnngtn tnactttnan 240
gntantaant acataatncn nttactnttn caannentgt tttnaannat tnctgnantc 300
ntgttnagnt cncnngtcnt aaatgtnnnc aatatgctan tagattnntc gtataanagn 360
nntnnttttt gatntnatta tngangnnnn tanattannt nntannnntn nangtacnan 420
aatntttagt nattncnacn nttctnataa nnnnntnatt antnaantta aagntactcn 480
natcnacnng agntcntnac nntnaacaag tnnctcntgn atnacctnat tcttnttctn 540
cnattcttnn anatnngtaa tcaanacnct nntctntctg nntatannnc gaatnaatan 600
atactnatgn ncngctntac nntcngtatt ctcatanang gagtatntnt actatntntn 660
canngtgann tgcacatncn tcatgcnctn atangtcana tnnanatatn nntacnactt 720
gnacnattnt cnttnacgan nntctctctn acacatagta tcantatnga natcncntgn 780
tanannataa aantcgntnn attnaggtcn nagaangcaa tgttacatgn tcacnaatnc 840
aatctttctc natatgtnaa tctngttnnt nanantcttg ntcaatanta actnnatatn 900
aatattctgc gtnttatcgn atnactnanc ngncatcgat tagnggnnac tcngnnnang 960
acacganacn atgaatgang tntntntnta gtgtantact atattacgta ntttntataa 1020
agtntaatgt cagacantat ngactaaang ctgangctct ttggattcca tanganncac 1080
natanctgag tatattagcn ctcatcgcga nttctgaaaa tgaagntgta tnacgaaatn 1140
cgattgnaan ttctctgatn ntggattaaa ttcatatnta atggacgtnt nttanaatan 1200
catcantntn taccatgnta cagatgcg 1228

<210> 1706

<211> 780
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(780)
<223> n = A,T,C or G

<400> 1706
gtttgaatat canatacaag ctacttgttc tttttgcagg atcccatcga ttcgctttta 60
gccaaggtca cctccgaagg tcctgggacc atggtttttg gaaagaaaat aatatccagt 120
tcatggaaat cctggtncct ggttctttgg ccctggaagg ggggtaaagt ggacatcagc 180
agcatggttc attccttttc ttggtcttct acctgttctc cacaaaagta taaaaagcca 240
gaattgcttt ttgggttttg agatggcatt gtcttccatt tgcaaaaaac agtttataag 300
acaaataata aagaaattga aatgtttctg atggtttcaa aaatgtaaac ataagccaga 360
gtagttatgt ctcaacatca tctcttgcca gccggcagct ccttttcttc cttgatcttc 420
taaatgtaca ggggaagaca gctggcagcc tgtcatgttt caaaccttca ttaaagttct 480
ggattttggc ctcttcgttt tcccctagat gtcattaaag ctgtcagcac cattgctgtg 540
catgagaaag aggagagtct ctggcctagg gtggccgctt ctccacattg gcacccggag 600
tcctncatgg ggcgangctc cgcagtctgc aggtccgttg atctggagtc ccggaagacc 660
acgtacacct caanatgtca gtgacagtga ggactganta accctgcagg gnctaanatg 720
ccaaaccctt ttgccttctg ctgtgcttcg ggccggcttg gggctttggt ggacaccccg 780

<210> 1707
<211> 780
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(780)
<223> n = A,T,C or G

<400> 1707
gtttaataca natacaagct acttgttctt tttgcaggat cccatcgatt cgaggccagt 60
gtgggacagg gttgtgtagg tgtgcctttt caaacacatt tattattcag aagtgggtgc 120
agataacgct taagattaca ccgaagaatt tagggagggt gggggatgaa ggtctgttag 180
taaccagaaa cacattagtt gggcatcagt aaggggcaac ataaaggaat ggttcccctc 240
aaaaacgaac aaaccaaatt ttatacaaaa aaatgaaatg cagcagggcg cgatggctca 300
cgcctataat cccagcactt tgggaggaca agacagcgga tcatttgagg tcaggagttc 360
gagaccagtc tggccaacat ggtgaaacct catctctact aaaaatacaa aaaattaagc 420
caggcatggt ggtgggcacc tgtaatccca gctacttggg aggctgaggc aggaaaatcg 480
cttgaatctg ggaggcggag gttgtantga gcccgagatg gtgccactgc gctcaagcct 540
gggcaacata atgagactct tgtctcaaaa aaaaaaaaaa agattccact aacccntgta 600
agctaaaagg aaggggctct taaaaagaca cagatnttag tgacttaatt ttaaatactt 660
gggtttacct ttaaccaaaa agttcanttt ccccaaacct ntttctgctt cangnaatga 720
aaaacattgg caaaccccaa aacantggna atagaaaccc tggcnttaaa gtcttccccn 780

<210> 1708
<211> 922
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(922)
<223> n = A,T,C or G

<400> 1708
angnntttttt nnaaaaattt atccaanaaa atnaccaaan gccttnactt ttgggttttc 60
ttttttttttg gncaaaggga aatnccccccc aatccggnaa tttccggaaa aatttcccgg 120
ggcnaccggn aaggggtnca acctttttccc ggcgggttca aaaccccaaa gcctttcctt 180
gggttggncc cttgggcccc aagttcccng gggggggccc ccccttcccc ccgggttttc 240
ccaagcccca ttggcctttt ttccgggccc ctttnggccc ccngggnctt ggnccaagcg 300
gcttggcttc tttccggncc ggcaagcntt tcaagcaacc ctcgggcccc aagcggttnc 360
catttggctt ttgacgtagc tnaatctcct ttgcagcatc cgtgtgaagt tgtgcgtgaa 420
taaaagaaat cgtatacttc ctaattccat agtatggaca aaccgaggct agagaactgg 480
gccagggtta cagtcatttg gccagaggat tagaattcag cgcttctgac ctgaagacgg 540
cttcctctta accttttttgg aggatctctc ctgctgtggg cggactgagc ctgccgccag 600
gtgtcttaac agtgcttgac ttggcccgcg accacttaag cctaggagcc taggctattt 660
tagccatctt ctagaatggt ggttcttaaa ctctgcagtg tgtcagaatc accagaaagc 720
taataaaaaa cagacgtctg ggttcattga agaagcttaa gactgcgggg gggggtccgc 780
atttttacca agtgaatcta attaaaccta attttgagaa ccccnnnnna aaaannnnnn 840
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 900
nnnncntttn aaaantttnn nn 922

<210> 1709
<211> 900
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(900)
<223> n = A,T,C or G

<400> 1709
ttgaaagact ttacaaccnc ttgctctttt tgcangatcc catcgattcg gatagcaaaa 60
cctgattttt caaccatgac ctgcatgaga gaacatccta agaagtctta gatcatactt 120
tcgagttttn aatnttaatt tatataantg cntctttatg tcttaatatt cttgtgaact 180
ggngtntatn gtnaatgcnt ataagcttgt gtnattgntg tnaaatantt ttgngattnt 240
atttcttgcc ccatatgtaa atatttagag tctcatttct tgcnaactta tttgaagctg 300
agncgtgggt ttgggntntg tttgctnctn tggctgcagg ntgggntggn gggtggcatn 360
gggganggang gaanggatct atagtccntg gacatggtnn atttntntgn nnanaaaagg 420
ctacttgtcc nnctgcaann nattctcnta acattcacan ntntttccnn ggtnaganca 480
taanntcntt nccnnngant gcctataatn anctcnacca cnttttggcc tnnatccnnn 540
gngcncancc aangatgtgn cnnntggctc taacnactna antntggact cacttntnan 600
ancccttata attccccctg atttnttggn cctnntacca tnnntntnna nnganntatc 660
ttttanaccc tntcacngct ttcggcgact tcagagcatn cttctcctna cntcnncnac 720
ccnacttnta ctttcatgnc cacttnctng naantgaaat ntaacttctc cnaacgtnct 780
cngnccctcn tgnantttga acnnggcnat cattggctcc aantncntcc ttttactctn 840
ttntcctcca tantatacnc tnggnnaant tcggctggat tantccanac tntccctccg 900

<210> 1710
<211> 673
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(673)
<223> n = A,T,C or G

<400> 1710
tcngcacgac caagctgatt cnncattctg aaagctgagc tggaaagaac caaagaggaa 60
aagcaagagt taaaagagaa actgaaggaa acagagacac acctggaaat gctgcagaag 120

gctcagggct ttggcaaagc ttacgcggct acgtatccac gtcagctatc tccttacttc 180
tgtcctccct cacttggagc ttcgtgagat cgggtatgac tcagaacaag tggatgggat 240
cctgtacacg gtgctggagg caaatcacat actggattga gcaccagact gtataccctt 300
ctcttctctt atcttctgtc tgttctcttt tctctccctc cctcacgtct ctctctctct 360
ctctctctct ctctctcacc ctcaccttta tgccttatat agagaatctc tgtgtaaatc 420
ctggctcata atcagtctcc tttttatcag ttttggtgtg gagaaagagg ccagtttaaa 480
taggctttca agagtctagg gtcagaaaag caatagtcac taagctaggt gacctgaaag 540
ctttaatttt catgacctgg atatgtggtc tattgtatat ctttttctga aatggtttgt 600
attcatttag gttagacaat cagcagatat tgggtccngt ataccaggta ttattttggg 660
gtaagctnac aan 673

<210> 1711
<211> 667
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(667)
<223> n = A,T,C or G

<400> 1711
ccgagaggac agannnnnnc ccccntggag ggaattttgg aaagtaaagt gtatgggtta 60
gggactactg gacatactgg gagtacagtt tggttaatga gcctgaagtc ctggactaag 120
tggtaagttc catctggctt tttaacaggt agaattggtg tgtttaaaag ggagtttgtt 180
gggcggagga ggtgactggc gaggaggcga gaaatgataa gctataggcc tacaagagct 240
gcttagggga ttggatactg cttctgtgat aggaactggg tggggatttt aagggtaatg 300
cagaaggggg tgtggtgttt tgcaactgag ggtgtggaag tatctcaaaa cagcggggtt 360
aaccatggat gggggataag gaaaggttgc atgttttang gtgggaggtt gcaggagtag 420
aagaaagtta gaagccctgg aggggtctgg gtggatgcgt tgggtctagg ggaacgtggg 480
agtggagagt ggtgtggagt tttgaaagca tggctctgcc taagagtgga gttgggcatg 540
aggccaggac taanaatgag tgaaaggaag ccgggcgcgg tgctcaagcc tgtaatcccc 600
acccttggg aagcccgagt tgggtggatc atgangtcaa gagatcgaga ccatcctgga 660
taccccg 667

<210> 1712
<211> 786
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(786)
<223> n = A,T,C or G

<400> 1712
ttgnannnnn nnnccnttac aactcttgtt ctttttgcag gatcccttcg attcgaattc 60
ggcacgaggg gaaaataacc cagttttgat ctttttttagt ctgggtgctt actggatgtc 120
aaggtagaaa gtgtccaaca aggtgcttta actataggtt ggagttctca aaaangttaa 180
agagggtaga gttatagtga catcttcagc ntatatagta gttgaggcca gtggaaaatt 240
tcccattgag agctctgaga ggaaagtttt tagaagccaa gggaaaaagg agtattgaga 300
aagcgttaga tatcacagaa aaattagatt ggtgatttct aagacaagga tataaccgtt 360
aggatgtcat tgacctttgt gggagtaata atggggacag aagtcaggtt ttgctatagg 420
ttgagggtgt ccaatctttt ggcttccctg gtctactttg gaagaattgt cttgggccac 480
ctataaaata cactaacact aaaggtagcc ggatgcgcta aaaaaaacga atcacaaaaa 540
aaatctcata atgttataaa gaaagtgtac aaatttgggt tgggctgcat tcaaagccgt 600
nctgccacat gcaacccatg ggccgcgggt tggatgagct tgctgtagat taaagagaaa 660
ataagaagtg ctgaagcnag aaaagtcata gagtagatgc tagccnttan ggccgaagta 720

gtagttgaag ttatttgttg gctcatgtca tagtgggngaa gaagagaaag aagaacttta 780
gggatg 786

<210> 1713
<211> 769
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(769)
<223> n = A,T,C or G

<400> 1713
agttacttag ataaagctac ttgttctttt tgcaggatcc catcgattcg ctggtgtcca 60
tcagcacctc cgtgatcctc atgcagcaac ctggctgcct gccagctact gtggacctgg 120
ctgcacaagg ccgccgccca tctgggctgt tggcaanaag gtggacccag cgctgtgctc 180
caaacgtggc tgcagcaccc gtgggactga agaatgcatg tgggccgcag ggcgtgctgg 240
tgaagcacaa gcaagaacgt ctacaaagcc cgtaggccac tacaacgtgg ctatcccctc 300
tgacgtctcc cacttccgct tccatttctt tttcagcaaa cccctgcgga tcctcaacat 360
cctcctgctg ctggagggcg ctgtcattgt ctatcagctg tactccctaa tgtcctctga 420
aaagtggcac cagaccatct cgctggccct catcctcttc agcaactact atgccttctt 480
caagctgctc cgggaccgct tggtattggg caaggcctac tcatactctg ctagccccca 540
gagagacctg gaccaccgtt tctcctgagc cctggggtca cctcagggac aagcgtccaa 600
gcttcagcca agggcttcct ggcaangggc ttgttgggta gaaagtggtg gtgggggggg 660
acaaaaagac aaaaaaatcc accaaaactt tgnatttttt ggtacgtact ggttcttttg 720
ataaatggat ggngataaag gaaaaaagtc taatttttat actcccaaa 769

<210> 1714
<211> 748
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(748)
<223> n = A,T,C or G

<400> 1714
ttnnannnnn nntcatttac aacccttgtt ctttttgcag gaccctcgat tcgaattcgg 60
cacgagagga nccaatactg nctttnnnta ntataccaaa anactanntn tatnaatgtt 120
gntaaggtgg actggnacaa cttttgcctg ttttggcttt ttctctgctn tttngtggat 180
ntgangggca gaggcgcnct ttttgntcgt gttntncntg gnnnanatnt tttannttgt 240
ttggtgnntn anaaagtnat tggnntcgcn cggnatngag anggaggact gntctgatta 300
tntngcnatg gganattgag tttantagga aaattgagag gataaaaatt atgatgnnan 360
acctcaaann cccgtgaagg ntanaacttc tnatncatct agagcaggag actggcatgt 420
tgaaagactn ataacagntg gtctggtgat acttgatatc actagggctc ctctttcgct 480
catgcncttg agagacactt tatcaagacc tgnggtgggc catgcatngt nagntctgnt 540
gagagtgatc tgaaatgaga tacgaagaca ggtcatgtac tggcctccac gccncatngn 600
agtttggatt ttatgnnagt gnacangann acattggcag ctgtagctgg tgatggcann 660
attnatttgt gctnacaang ataagctggt gcagcgctna tgccgtatgn caccncttgg 720
gagaccatna cgnggacacn caattgan 748

<210> 1715
<211> 773
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(773)
<223> n = A,T,C or G

<400> 1715
ntcnttttnc aaactattgt tctttttgca ggatcccatc gattcgctcg cgcaatgggc 60
tgcctgtgga catcaccaag tgccgcctgc cnntgtcaac aaggacgact ttgccctggt 120
ccagcggcct ggcccgggtn tgtntncngg nggcgccccg cgctctggtg aactcaccaa 180
gctcatacgg cngcagcncg agatgtggct gnccactcna accaattnac ccgctgggnn 240
anattactgg aacaccaagt ttgaaaagtt ggcggaggac tgtaagcgga gcatggacat 300
tctgaagcaa gccttcgtcc ggggtctccc cacgcccacc gcccgctttg agcaaaggac 360
cttcagcgtc atcaagatct tccctgacct cagcagcaac gacatgctcc tcttcatcgt 420
gaagggcatc aacttgccca cacccccagg actgtcccct ggcgatctgg atgtctttgt 480
tcggtttgac ttcccctatc ccaacgtgga agaagctcag aaagacaaga ccagtgtgat 540
caagaacaca gactcccctg agttcaagga gcagttcaaa ctctgcatca accgcaccac 600
cgtggcttnc gaagggccat ncagaccaag ggcatcaagt tcgaagtggn tcacaagggg 660
tgagctagaa agagccatgg ccgctgggtg ggctccangg gangggaagc tcttntgaac 720
caaccatnct gtcccactat acacacatgc ccacangggg cttgttcaaa aat 773

<210> 1716
<211> 766
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(766)
<223> n = A,T,C or G

<400> 1716
aancccatac anctcttgtt cttttgcagg accctcgatt cgaattcggc acgagataca 60
tggaagtctc aaatctgaat ttttatccat ctcaatatga ccatttctct ctgttgtgag 120
ctgaacagat taagtntntt tttggccgtt gggggatant ttggtctatc ttttnctgtc 180
ntnngnnctt natttnnaaa aattattaaa ggnnggntgt ggntcttccg tcngttggnt 240
ttntnaagaa tattccataa aatgttttat ctgccataca aaattactgg gtttatggcc 300
ggatgtggtg gctcatgcct gtaatcccag cagttcagga ttacaggtta tatacaggtt 360
ataacaatgg ataccaggac atcagaatat ctgataaagc aaatatttat atgctaattt 420
aaaatatcaa attgctactg gacataaaat acatctggaa gcttggggta agaagaaaga 480
aaagaagtgt tccgttctgt tttcaactaa gggtaaacga agtcccagag tgttttccct 540
gtaggtcaaa ttaangtaac atgtctttat ttgatcatct attgnacacc agatcctggc 600
taagggcttc ctttttctc atgtagtctt ncaaatgtct ttgataattg tcactatatt 660
atagatgaca aagtgaagac ttacgagaaa ttacctttgc ccaaggntac accacttana 720
tggctgtcca aggccgggga anaacccctg caaatctggt cttgna 766

<210> 1717
<211> 1040
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1040)
<223> n = A,T,C or G

<400> 1717
gnnttgannc tattgaaccc ttgtntttng caggaccctc gattcgaatt cggcacgagg 60
annctctnat gcactgnntn gganaacngg ntntttnnnc ctcnnagcac anngnnacng 120

gnaccaaccn agatgcntcc agctgntnct ttgtgtaaag ntnttgtngg ggtttggttg 180
tcttttgttt natnnnanncc tntncttngc ccttcccccc gnnctttaat tntnttgnnt 240
tantnnnntc ccctnnggng gngganggnt tnaantntna aancccccccc accatgttgt 300
cgatggnccc taggattcga ataatcggct cgagacacac catgggggca tagggaattc 360
tctgggtggg ccaatggtca angctttacc naatcccccn agggtcttca tnggcttggc 420
gcaatcccca nataaanggc ctngnactcc aaanataatc cataaaataa taaatggccc 480
ctggggncnc nttttactgn gtanaatnan atggggntat ngtggnnggt agcactggta 540
cntaactaag ggaaaccgan taacaccaca aatacccccc ccnaaaantg gccttgtacc 600
tatccnaatn cancaaaacc agtggtgnaa naaaccatga ctnnggcgac gnctcatggg 660
ttncacaaat caataccgcc aaggtcgtat tangaacttt tgccacanag gttgngaaca 720
gtccngctta gggaaatgan naaagaactt gacagggcca tcagttncat tggnaaaaat 780
ggcatgggga atnccagtac ccangtttct ttgaacccna ttttnccncn cnttttcag 840
gggggaagta attggcgtgg ttttttgggc ctcaananaa aactttnttt aaaanagnta 900
aagggctacc aagggaaaaa gggaaaaaaa attggtttaa ggggcaacna aaaaaaaggc 960
ctttaaactt ccttgggaaa atgnggnacc tanaatttca atcaagncca aaaaaangga 1020
anttttnttt aaaaaaaaaa 1040

<210> 1718
<211> 919
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(919)
<223> n = A,T,C or G

<400> 1718
ggtttgantn cctttacaag ctacttgttc tttttgcagg atcccatcga ttcgctcaaa 60
gaaatccaag acagacaact cttctcttan ttnaccatta attcntaagt tntggggtcc 120
cgtncacttg aanagtcttt gaggggttcg ccnttcaagg ggaanacttc aaagattcca 180
attttcctga agaacttnta gaagaatgat tgaagatgat gtcgcccatt aagctgcccc 240
ttacctttac tttcctaaaa aaggcccacc tgccagnaac ccaagggaag cacagtgaca 300
agccttttga aggcaaangg gcagaagcca aaggcattct tgaatgggac aagaaattcc 360
acaggggaat ttccaaatct tnccaaaaaa aggactggaa gactttcttn aaaaaccaaa 420
aatggaaagc agatgacttt tgtttgggat antnggccaa aaggcacgca gnaaagatga 480
caccgaagcc cccacnggaa tttcttgggg ggtncacctt aaggaccctt ttagttaaaa 540
ccntcattaa aacanttttg gccttnctgg cnagcccctt accacccttt aatttggcat 600
ttncttacca aaaggaaaaa acccaaaggn accnggggggg angggaacaa aggaaaggga 660
agnccgnccc cctnggtccc ctnggnggnt taattccttc cccaaaaaac caggccttcn 720
ggnccttttcn tcnttcttaa gggggaaaga atttggaggc nttcgttctt tccccaaaaa 780
aaaaaattgg ccgaaagttc tttggtttca aaaaaccgcc ttttgnaact ttnttagagg 840
ccccaaaaag gangggggggg ctttcntant ggcctggaaa aaacaaacgg gaaggaaatn 900
ttttgaaaaa aaaaaaaaa 919

<210> 1719
<211> 1188
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1188)
<223> n = A,T,C or G

<400> 1719
ctttttgggc ccnntttaag tgnaanancc ctnaagntgg gaaaaaaacc cccntttggg 60
cnaaaaaaat ccgcgnagag ngaacacaga gaangggacn aggagannna ncncncgnga 120

09429592 - 050499

gacagacggn aaagggngga atganacata nngaaaagan ggggtaaana aanggagaag 180
agcnttttt tttttggnac atatntntnt nagagangag cgncgnngna nagacagnga 240
agnaagnggg gggncannac atntgggggg gggggggggg gggggncaa caatatgcca 300
cannnaatnn nttacganna nagangaatc ncaganagcc agnaaangng ngacgagtna 360
gcgaanncnt gagacanata gagagaanna ananagngcn anacgaagna ggagggagcn 420
nnnagtaana atgnnanaag atgntagnng agangggagg acacgngnna ngagaantan 480
cgngnaaaaa naatacgaaa gagagnggga aggagaggna nannggganga ngagannnaa 540
aaanatangn ntaannanaa ngancnggnc gngnagacng ggagaantag aannggggang 600
nanngaagng cganacaanc gngnnaacag aatgaggagn ngaagnanat gnncnaanaa 660
ngtgngtgan agannnagag ggaagagaan aggnantntn angacganan gnncancggn 720
gagatggaan gnggcganac nnnncagaga gaanggancg ganaagnann naagnaagga 780
cngacgacga annancaatn agnagaacnc aacgtnagca gaaggtagnn gnacacggcn 840
nnntanagga anagnngtac aggtntntta nnnngnntag aggaaaanga ggancntgcg 900
ggacgagcgt agnnagaaag agagagtnca gnatnggnga nnaaggagna angagntgat 960
gtacgganga gngnggggac ganggggaan anacangnna gaaatannga aagagagaga 1020
agcgnnnata agatnaagna gctacagaag ngaatgtcat gngatgcacg ggatagngag 1080
ntgtaaacga canangaanc agacgntagn agntgnatan tcagaaaagg gnggnngnga 1140
nnancnggac ggnggagngn aaatgatgaa gngngaggga naangngn 1188

<210> 1720
<211> 788
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(788)
<223> n = A,T,C or G

<400> 1720
aannnnnnan ctttttgtt cntttgcagg atccctctnt tcganttcgg cacgaggcta 60
aacatcaaaa acagatctgg taggggcggg gaaaatgagg gggaagaaac aaaaacgtga 120
tggtgcctca tgctgcttaa aatcttcagt acattgatgt tttgatggcg gactacataa 180
gcgttaaaaa ttgtgttttt cagatcttta aaatataaga cagtgcttct agtgaataaa 240
aaaattagtt tgaaagatat ctggagaaat cgcattcata aaacaattgg aagtgaaact 300
attaaaacaa tagggctttt taaaattaaa aatatttaaa attcaaaagt aattaatagt 360
gttggaagat gtaggtgaga aaatattcct gaaagtagaa ctgaaagaga caaagagaaa 420
agatgaaagc cacagaagat aaatacaggg gtcaaaacca gactaacagt tttagaaagt 480
gaaaaaagtt aaaaaagaaa tgggggcagt gggttattag aaataacata aatggctggt 540
atggtttgtc tgtgtcctcc ccaaatttca tctcgaattg taatccccat aatccccatg 600
tgtctaggga gagacctggt ggggangtga ttggatcatg ggggtggttt nccccttacga 660
tgttctnctg ataggtgggt ggagttctca caagatctga tggtttttt aaagggctct 720
tgccccttta actcctcact cttttcttcc ttgaaaccct tgtgaaaaaa ngngcntttg 780
cnttnccn 788

<210> 1721
<211> 750
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(750)
<223> n = A,T,C or G

<400> 1721
ggtttnatnc nttacaactc ttgttctttt tgcaggatcc catcgattcg aattcggcac 60
gagggtggct catgcctgta gtcccagcta ttcaggaggc tgaggcatga gaatcgcttg 120

09534250.090504

aacctgggag tagaggttgc agtgagctga aattgcacca ctgaactcta gcctgggcaa 180
cagagtgaga cttggtctca aaaaaaatta aaaataaaaa ataaattggg ggctgagtgt 240
ggtggctcat gccttcaatc tcagcctccc aagtagctgg gattataagc atgcgccacc 300
acgcctcgct aattttgtac ttttagtaga ggtggggttt caccatgttg gtcaggctgg 360
tttccaactc ctgacctcag gtgatccgcc tgcctcagcc tccaaagtgc cagtattaca 420
gacgtgagcc gctgtgcctg gccgagtaat ttttttttaa aaaaaaagcc tctagaacta 480
tagtgagtcg tattacgtag atccagacat gataagatac attgatgagt ttggacaaac 540
cacaactaga atgcagtgaa aaaaatgctt tatttgtgaa atttgtgatg ctattgcttt 600
atttgtaacc attattagct tgcaataaac aagttaacaa ccaacaattg cattcatttt 660
atgtttcang ttcangggga ngtgtgggaa ggtttttttaa ttcncggccg ngcgccaatg 720
catttgggcc cggtncccaa ctttttgtnn 750

<210> 1722
<211> 735
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(735)
<223> n = A,T,C or G

<400> 1722
gttgactaca aatacaagct acttgttctt tttgcaggat cccatcgatt cgaattcggc 60
acgagatgga acatgagatg ggtggccacc accctggtgc tgactatcca gttgatgggc 120
tgccagatct ggggcatgcc caggacctca tggatgggct gcctccaggt gacagcaatc 180
agctggcctg gtttgatact gacctgtaaa tcatccttta gctgtattgt ctgaacttgc 240
attgtgattg gcctgtagag ttgctgagag ggctcgaggg gtgggctggt atctcagaaa 300
gtgcctgaca cactaaccaa gctgagtttc ctatgggaac aattgaagta aacttttttgt 360
tctggtcctt tttggtcgag gagtaacaat acaaatggat tttgggagtg actcaagaag 420
tgaagaatgc acaagaatgg atcacaagat ggaatttagc aaaccctacc ttgcttgtta 480
aaatttttttt ttttttttta aaaatatctg taatggtctg actttgcttg ctttgaaagt 540
aactcttttt ttttttttgc agtaactgtt tttaagtctc tcgtagtgtt aagttatagn 600
gaatctgcta cagcaatttc taatttttaa gaattgagta atggtgtana cactaatnat 660
cataatcact ctaattaatt ggaatctgaa taaagngnac aattngtacc ctttttttatn 720
aaataacaaa tanaa 735

<210> 1723
<211> 757
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(757)
<223> n = A,T,C or G

<400> 1723
attnnnnnan ctcttgttct tttgcaggac cctcgattcg aattcggcac nagcggagtg 60
ntggcttnca ttttttcttg ggcaagatgg anaattcnct tcctgnncct ccatcntggc 120
canaatctaa nttntcntnt atgccggttt tgcttggtgn ttgttatttt tatntgcnnc 180
tgctngcnat gtnttnntgn tgncttncng aaatgtntgn acttttggna ttcttgttgg 240
ngagaaatct acttatttat ttaaatagct tcgacatacc ctgccctcac tcataattgc 300
ggggtggnga gcacacccaa gtttattagn aaaagttntn ctatttanac atatctagaa 360
ntntntgtgt taaatncgta aggaccaaaa ggaagnantc ttntataact gctntttnta 420
ngnnaatgtg agctaacttt gaggctatat ancatatgca ncanagcttg tgaactgaac 480
acttgtggtc ccatnaggng tgcaagcatg ttntacttgg ntcnncacta tctnggttcc 540
tgcgangntc tnnaacgatg naaatgttcg ctgttaatga gaagtctgga actnccatat 600

tctcttaaga cattttgcgg cttccagana tactcttaaa tgactgctnc aaagctcaaa 660
gacttgnagc cccntggtgg antcctccat tagatggaca tgcattctcc anctaccntg 720
ncccatactc agggaacnca accaacactt tcancan 757

<210> 1724
<211> 830
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(830)
<223> n = A,T,C or G

<400> 1724
attnnnnnan ctacttgttc tttttgcagg atcccatcta ttcgacttnn gcncgangaa 60
gccngncaac ttctnggatc tnggaggtgn tgtaaaggnn gctcaggnct atcanccctt 120
cagntcgctc anagctgntt ctcanggtga agccttcctt gttgntntat nnggaggatc 180
gananctgtg ccgtgcttgt ctttgggntg gnctnccnct gccggnagct anaactaatg 240
gtgcccctgg nggtccggct tgaaggaacc aacgtcncaa ccgcccatan natnctcacn 300
nacngcggac tcccccntnac ttcacncntt nacctngacg atncntgcaa aaagctgtgg 360
ccagngngnc caaaaatgnt gtctttgtnc tnatccnang gtgaacgntg ccgntnttnc 420
gtaaaaaggn atggttcatc attgtgnaag aaaatggata tctcattggc gaanaaaagg 480
ggannnngga aggcaagaat cacttganna atcntaaatc tgtggtgant ggaataagat 540
atctctaaca ggctaantct gattttaggc ctttataaaa aatnatanct ngggngngct 600
ccatacttna nttgtcactt gtnatgcctg gcccaaaang ccaatgtntt gccatacttt 660
tgggggagcg ggacnntgtg ggnccaaaaa attgcggggc ntttgacccc naantttgna 720
aatcaaagtt ccttgctttc aatntaccaa naaantttng gggggggcaa tcttaatncc 780
ttnccttaaa tggaaagggg ctaaaaaccc cttcnttttc cnaaaacctn 830

<210> 1725
<211> 1089
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1089)
<223> n = A,T,C or G

<400> 1725
agnaaagtga aaatcttctt tttactacan gncttgggca tgggccctgg gcaggggtnc 60
ggaacttctt agganggnat ccccgggggt tnacccggag ncttcggaaa tttcgccctt 120
atagtgggag tttnttttaa ttaacaaatt tccaacttgg gccccgtccg gtttttttaac 180
aaacggttcc gttggaactt gggggaaaaa aaacccttgg gccggtttaa cccaaacttt 240
aaatcggnct ttggcaagca acaatncccc tttttcggnc caagcttggg cggtaaataa 300
ccgaaagaaa ggcccccggca anccggaatc ggcccctttcc caaacaagtt tggcgccaag 360
ccttggaaat gggcggaaat gggaacgccg ccccttgtaa gccgggcgca atttaaagcc 420
gccgggcggg ggtggtgggt ggggttaacg ccgccaagcg gtggaanccg gcttaacaac 480
tttggcccaa gcggncctta agccggnccc cgnttncctt ttcggctttt cntttccctt 540
tccnttttct tcggncaacg gttcggnccg ggcttttncc ccggtcaaag cttcttaaaa 600
tcgggggggc ttncctttta agggggttcc gaatttaagt ggcttttaac nggnaacctt 660
cggaccccca aaaaaaaact ttggattaag gggtgggaat ggggttcaac ggtaagtngg 720
ggcccattcg gcccttggaa taagaacngg gttttttcg gccccttttt ggacggntng 780
ggaagttccc aacggtttcn ttttnaaata aagtggggaa cttcntttgg ttnccaaaac 840
ttgggnaaca aacaactttn aaaccccntat cttcgggggc tnaattcctt tttnggaatt 900
taaataaaag gggaattttt tggnccggaa ttttcnggnc ctaattnggg ttnaaaaaaa 960
atggaagctg gaatttnaac aaaaaaaatt tnaaacggcg naatttttna acaaaaaata 1020

attaacgcnt taacnaaatt tccttggang cnggggantt tcttncctta acgccaatnt 1080
gggngccgg 1089

<210> 1726
<211> 754
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(754)
<223> n = A,T,C or G

<400> 1726
agtttantnc natacaagct acttgttctt tttgcaggat cccatcgatt cgaattcggc 60
acgaggaaac atggggaaaa gttcgtaaac tcctggttga tgcaattcat aatcaactaa 120
ctgacatggg aaaaatgtat tttgaaatat atgaaaggaa catctattgt ggtccctgac 180
cactgcactt tttattacca gggaaaaaaa atcttgtaac aatttcatat ccttcaggaa 240
taccagatgg ccagctgcag gcctatagga aggagttaca tgatcttttc aatctgcctc 300
acgacagacc ctatttcaaa aggtctaatg cttatcactt tccagatgag ccatacaaag 360
atggttacat tagaaatcca catacttacc ttaatccacc taacatggag actggtatga 420
tttatgtggt ccagggcata tatggctatc atcattatat gcaggatcgc atagatgaca 480
atggctgggg ctgtgcttat cgatctctgc agactatctg ctcttggttc aaacatcang 540
gatacacaga gaggtccatt ccaacacaca gagaaattca gcaggctcta atcgatgccg 600
gggacaaacc agcaacattt gtcggatcgc ggcaatggat tggatctatt gaggtgcagc 660
tggtactaaa ccaattgatc ngtataaccg tcaaaaatcc tgtttgtcac ccaaggtcaa 720
aaattgcctn ttcaaggccg ggaacctggc taan 754

<210> 1727
<211> 800
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(800)
<223> n = A,T,C or G

<400> 1727
gnnnntnnnn nnnnnnncaa ctacttgttc tttttgcagg atcccatccg attcgaattc 60
ggcacgaggt acagcaggcc ttgatttcaa caataaaatc ccgacctccc ttgctgcgct 120
gcactgcccc cgggagctga tgggttggag actggaaatc agaaaacaca caatccagaa 180
acatggttta tctggaacct aggtatataa gatgccaaga taagtcaaat tcacagagac 240
acattgtaga atggtgattg ccaggggcca cagaggaggg cagaaataag ttattcttga 300
atgagtacag agtttcaggg ttttttgntt ttggtttttt ttttttcttt anacagagtc 360
ttgctctgtc acccangctg gagtgcagtg gcgtgatctt ggttcactgc aacctctgct 420
tcccaggttc aaaagggtct tctgcctcaa cctccgagta gctgggatta catgcataca 480
ccaccacgct cagctaattt tttttgtagt tttantanan atggggtttc gctggtaccc 540
catccngcca ngctggttta attattnatt ttttaatttt tttgagctaa aagtctttgc 600
cctgtcaccc aagcttgggg gttcaagtgg catgaatctt aagcttaact ggnaancctt 660
caaccttnct gggggttcaa agtgaatcgg tccccaacct taaanccttt cccaaagtaa 720
gcttggaaaa ctaccggggt ggggccaccc aaccattgnc cccaacctna aatttttggg 780
ggatttttgg gaaggngggg 800

<210> 1728
<211> 753
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(753)
<223> n = A,T,C or G

<400> 1728
agnttnaatg cgatacnagc tacttgttct ttttgcagga tcccatcgat tcgaattcgg 60
cacgaggtgg cgcagtctga gttcactaca gcctccacct cccaggttca agagattctc 120
ctgcctcaac ctcccgagta gctgggacta cagttgaaaa agatcatcta gcaaagcctt 180
tttcccagct acatataagg aatttgaaag tcacataaaa tggttaagaa aatgtgccaa 240
gattacctca gtaattctgg tctgtgttct caggagaccc tggaaataaa caatgtgtct 300
tctgtggctt cagcgtcacc tagtgcaggc tgccattcaa caaacgcatt gtcaacagtc 360
aaccaaaaga aacccattgg ccaccatacc ctgaggacta accctgacac agatgccctt 420
ccagatgccc tcaatagtct aactgattcc atcgccccag ccttgggggа gaagcactgc 480
tgcctatgca ctccatttac agaaaaacgt tgacctcttg gcgagaatgc aaagaaggga 540
acgcttgctt atacactgtt ggtgaactgt caccctaca actcagcttg caaccagccc 600
tggccaccag tttncccaca ctgagctgaa tatcggacat gcccatctta gacattncag 660
cccattctga aattccacat cgattcacct gacaaagtct gaagttncan ggcaatttat 720
cttggaaaag cttacctggg aatacgtgtc att 753

<210> 1729
<211> 747
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(747)
<223> n = A,T,C or G

<400> 1729
agtttnactt cnnatacagc tacttgttct ttttgcagga tcccatcgat tcgaattcgg 60
cacgagagat cactcaaaat ttgcatgtga agaatataag cagagcatcg gtagcactag 120
ttcagcttct gttaatcatt ttgatgattt atatcaacct attgggagtt caggtattgc 180
ttcatctctt cagagtcttc caccaggaat aaaggtggac agtctaactc tcttgaaatg 240
cggagagaac acatctccag ttctggatgc agtgctaaag agtaaaaaaa gttcagagtt 300
tttaaagcat gcagggaaag aaacaatagt agaagtaggt agtgaccttc ctgattcagg 360
aaagggattt gcttccaggg agaacaggcg taataatggg ttatctggga aatgtttgca 420
agaggctcaa gaagaaggga attccatatt gcctgaaaga agaggaagac cagaaatctc 480
tttagatgaa agaggagaag gaggacatgt gcatacttct gatgactcag aagttgnatt 540
ttcttcttgt gatttgaatt taaccatgga agacagtgat ggtgtaactt atgcattaaa 600
gtgtgacagt agtggtcatg ccccagaaat tgtgtctaca gttcatgaag attattctgg 660
ctcttctgaa agttcaaatg atgaaagtga ttcagaagat acagatcnga tgatacagta 720
tttccaagaa ancgctccat ctgtgtt 747

<210> 1730
<211> 749
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(749)
<223> n = A,T,C or G

<400> 1730
gnttnactan anatacaact cttgttcttt ttgcaggatc ccatcgattc gccaaagcac 60
acaaatggcc taccatcttt tattcttcct tctagcttct ggagagagaa atgattgttc 120

cagtttagaa tgccaggagt ttactgggtg tttgtatttt ttatctgtgc cttaaaaaaa 180
ttagattata atgaacaaga catctttatg ttttacaggg aaggaaaaag cagtgaaagt 240
atgcattttc gaaagaaaag tgtgttggga aaagagagag agggtggaaa cccaaaggag 300
aaataaaaat tttaagtcct tgttgcagta gctggaggaa gtgagcttgg aaatctctcc 360
agcgcaatgg ttgctggctg ggaagaaaga tctgacttag acacagaata agctgcttgt 420
gctgggtgtg tttgtgagct gggtgaggtt ttctgtgtcg ctgggcacgt gagggaagtt 480
acgtggctgg ggggtggggt gggggggcatt agaagggagt atgggtgtct gtgggcgctc 540
gcgtgtgcgt gtatgtgtgt gtgtgtgtgt gaaanaanan agagaaggta aaattaactt 600
tgtcctatat gttggtttct ctgctanagt cttaaaggaa cttgcagctg cattttatt 660
ggttcaattc cacattctct ctaggattgt tggtgttatt tgggtgatga taaagccagg 720
attaanaacc anactgggnc aattnaaan 749

<210> 1731
<211> 1116
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1116)
<223> n = A,T,C or G

<400> 1731
ntnannanan agagggggnt nnnnttcttn ncnnnnnngt nnagaggggg ggaatannnn 60
tgnnnatntn gcttcnttng tgtgntgtaa tnttgaantg tgtggncggg gggggggggg 120
ggtgtgacta attnatctta tttaaatcnn nntattntta ataatatact attncttntt 180
cnganangag atttttntnc aantngntnc tttatnnata gnaggtntnn tcnnnnanat 240
tnntgtnnnt aggnntgatt attanntgtn aatctgtant tngtncnngn antttannat 300
tnactgnnta gtncattggt tntnnnnntca nntgttagta cgngnattcg cgtacgnnaa 360
atnttantat agtnatatag tganannnga tntctntatg tacagtanat gtnagntcta 420
nncgtgngac ntatgagngt gantactnna ganncgatan ntaaggtgtn tactgnngat 480
aactnctcan gaantcagtg tgacgangnt nagcggataa tangangnaa tggatangta 540
tatatatggt acngtttncg tacgatgtgt gncagttnga attagnagtt agtgtcgata 600
gatagnttng tntganatnt gagatagtga gctattatnn tatagctcnt tnnanatgng 660
nagnganttt nnatatgtta tattattcnt tnacngtcat antgtgtaga cattagngac 720
tagtnctnnt angtgngttg ntnnngtaga acgatnttgn tngttgagnt ttnnnatacc 780
ntaganttan cattgnntgn tntgtntnnt annatntatg atngtatgat gcagtattag 840
taaatgntnn angggaannn agaatnntan nnncgttnan ncttantnat ctttgaanat 900
caagnnangt ntngnagttn ntnnngnttc ntnnaaaant nannnaatnn nattnnngat 960
nnttnnttat nttgtngnan aantngtgat tngatatgta tncgtaatga aattaactgt 1020
tnnnnnttta gnananaatt antggtaatc nnnntgntna cncacnatct ngtgatncgg 1080
ntggacatna tntgnntgnn gngacntctc nagtng 1116

<210> 1732
<211> 748
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(748)
<223> n = A,T,C or G

<400> 1732
ttgatncgtt acnnctantg ntgcntgtgc aggatcccat cgattcgaat tcggcacgag 60
cgccatgttg cccaggctgg tctctcctga gctcaggcaa tcggccacct tggcctctga 120
aagtgctaga attacgggca tgagccaccg catccagcca gaaagataca tatctaattc 180
tagaaatagc atgcagtatc agtcatagta acagccatgt gctgacctaa ataaaatttc 240

ttgatattgt gtatttaacc tgaagtattg agctagtttt tttgttttgt tttttggtgc 300
tgaacatttt ggtctaattc tttggcttct tagaacattt taaaaaatct atgttttgct 360
atcagccaaa gtaaatgtgt tcacactaac atataagtta ctaaccttca ttatacagca 420
aagctaaaaa gtggtgggat atttggggtc ttaatgaaaa ttgtatcatt taattccata 480
aatattaaaa tatttgggta ccttttaagc ttttttttctt tccttctata atgggnggta 540
caagttctat attcattcag tttaatctca tttgaaattg tttaaatcag agtcatgtaa 600
atatttgtgg gtttttttt ggtttataga ctcgagcttt tcttttacac agttttttt 660
agggaaaaac taaagctatt anggaaattc taaatcttgt tgatgaaaaa attgggcttt 720
tctttggata taattaataa aaagggat 748

<210> 1733
<211> 753
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(753)
<223> n = A,T,C or G

<400> 1733
agaannatct ctttgcaact ccttgttctt tttgcaggat cccatcgatt cgggctgccc 60
cagcgttagc agcctgtacc aggtctnttn cccgctctgc ccacggctgt gtacgacatc 120
agaccaggca ctctcagggc cgctctccag ctcaccacag tgtctccacg tgccttaccc 180
cttctccttc aggccaagtt tcgcggggtg ttttattaag acgtccacta gaaatagctt 240
gtcctgtcaa ctatgaaata tggtgactag attttaattc ataaccgtaa agtttttaa 300
agttttgggt tagtaatttg ttttactaga atgacaaaga agatgtaaac cattttattc 360
tgtaggcttt ttactcaatt atgtacaaac cacaaatcag gtactgtatt ttagtgaagc 420
attgctttaa ttgcaacaga atagcttttg tggctatcaa atgaaatctg taaataggag 480
gtggagggca agccatcctg actgagcagt tttaaccgca ggttctaaag tgtcccgcgg 540
agtacagata atattctgga aggtaactgt ttactacgac agagacgtgg cattttggaa 600
acgaaactta agatgtttca tggagcttat tttgagaact ttcccatttc aggtttctgc 660
attcangctt tacatggtca agttaactca gagaatcccc cactggttat catcaactnc 720
tctgaaatgt gaacccttta naacttgngc tca 753

<210> 1734
<211> 690
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(690)
<223> n = A,T,C or G

<400> 1734
tnnntcnaat tcngccgaga ttcgaccctn nnnnccnngc ctataagacc ctcctggccc 60
ccctgagcag aggactgtac cttgtaagct aaagctccat ggaatagaga ttcctgaaag 120
gacagattat gaaatggaca ggcaattcct catagaaata atggaaatca atgaaaaact 180
cgcagaagct gaaagtgaag ctgccatgaa agagattgaa tccattgtca aagaaagaat 240
ttactgacaa tgtgagcagt gcttttgaac aagatgactt tgaagaagcc aaggaaattt 300
tgacaaagat gagatacttt tcaaatatag aagaaaagat caagttaaag aagattcccc 360
tttaattgtg gatagtttaa agtttaaaaa ataaagttct tgctgggcac agtggctcac 420
acctgtaatc ccagcacttt gggaggctga ggtgggtgga tgacaaggtc aggagttcaa 480
gaccagcttg gccaacatag tgaaaccccg tctctgctga aaatacaaaa attagccggg 540
catggtggcg cgtgcctgta atcccagcta cttggtangc ccgangcagg agaatcgctt 600
aaacccgtga ngtggaggtt gcagtgagca aaagatcacg caactgcact ncactttggg 660
caacagaatg agacttaatc ttgaaaaata 690

<210> 1735
<211> 760
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(760)
<223> n = A,T,C or G

<400> 1735
gttganttcn atcaagctac ttgttctttt tgcaggatcc catcgattcg aattcggcac 60
gagcttgata tcaatggcct gccatatggt ctgtgtgccg gctgcgtgaa tctcagtaag 120
agcgccagcc caggcattaa cgtccctccc ggcacgaata gaccaggctt gggccagaat 180
gagaatctga gtgccattga ggggaaaggc aaggtggggg gactgaagac acgctgctct 240
agctgcaacg ttaagtttga gtctgaaagt gaactccaga accacatcca aaccatccac 300
cgagagctcg tgccagacag caacagcaca cagttgaaaa cgccccaagt atcaccaatg 360
cccagaatca gtccctccca gtcggatgag aagaagacct atcaatgcat caaatgtcag 420
atggttttct acaatgaatg ggatattcag gttcatgttg caaatcacat gattgatgaa 480
ggactgaacc atgaatgcaa actctgcagc cagacctttg actctcctgc caaactccag 540
tgccacctga tagagcacag cttcgaaggg atgggaggca cctttaagtg tccagtctgc 600
ttttacagta tttgttcaag caaaccaagt tgcagccaca tattttctct gcccatggac 660
aagaaagaca agatctatga ctgtncacaa tgtcccacag aagtttttnt ttcaaacnaa 720
cttgcngaat tcatacaatg accccaccac anncattttt 760

<210> 1736
<211> 750
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(750)
<223> n = A,T,C or G

<400> 1736
gnntttgant ncanatacaa gctacttgtt ctttttgcag gatcccatcg attcgaattc 60
ggcacgaggc actcggtaaa ctctgggact ggagccaaga gactgtgaga aatgaccttt 120
ctcatcaagt ttgtcccaag ccaggcttaa attgatagat cgtctaggtt ttctgatgct 180
ggtaaagaga ctctgtgcct cagggacagg tctgcaaaga tcattaagaa acagattaaa 240
attagggagc aagacaagac aagagaaagt ttctttacgt tctcccagac ctctctgggc 300
ctataggcag atcaaatttg gcctctagat cagcttggac aaaatgatgt ccacggtgtc 360
tgagtaggtc ttttcatttt tatccctctt atagccatct ttagctgcag gtgcctttta 420
gagttatggt ttttggaact tagggacatt ttaaaataaa gaatgattat tgctcatgat 480
gactgngcta atgagtggaa agaacttgct ttttttttctt cttttaacta acttagcctc 540
agttaactag taaatgtaat ttttttttctt tcttagaaga aaaatattta aaaaaaaata 600
gatctggcct ctggcttgct acccaccttg gaggagtctg ggaagtctag acaatgtcct 660
angagccaga cccactctgc agtcatttgt gaatgaatta ttgtatcata tgcngncttt 720
tgaattcata ctttgagcca aatcccactt 750

<210> 1737
<211> 1191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1191)

<223> n = A,T,C or G

<400> 1737

cacccnnnac ncaananaan nannnancan nacacancnn anaaanancn nnaacnnaan 60
anaaaccaan acnaannnna cccnccnnnc nnaccacncc taccncacnn nnncccnntt 120
ttttttgaaa aaccccttnn nnnngancgg gnnccacncn aacacccctc tnncnnnaaa 180
anncccacna nntanaaaaa cacccatacn acccactatn tcacaanacc ataacacact 240
acnacatnaa nncntccatn catattcaca atctacacan nctacnnaca canntatact 300
natacacaca ctnatcactc taccctacac aatataaaac aatntctaaa cnannanaaa 360
catacacnnn nnaactnnac ncctaatccn cctcnaacac ccnaancnaa anactacnnc 420
cccatccata ananaaaant acnccnncaa acancacccn anaaaaannt naantcatac 480
ncctcacaac cccaccctna aaacaccacc canctnnnna anaccacaca ccntcccaaa 540
cnataacnca cnaanaanaa nannanaaaa aacacaaaca ccanaaanac nataaaccna 600
cnacnacata cncaaaaccc cncaatacan annaannnnn accnccanca cntanccant 660
acncaccnac ctcancnacc nnaccctccn aactccncac cccnanctca ccactccant 720
cacaacaacc ctccccccacn cactcanaca ttatcacaca ccncananaa ntcacaacna 780
tnaaaacaca nccactaaan aanaatnacn nacncanaca acatntcanc cacaacccct 840
actnaccncc accaacactn tatcaccaca tcnannntnc ctncctncca tccttcnaaa 900
atactcaana taccncatca ctacnccata ttacacnacn actcacncaa nnannttaca 960
ctcactatca cancacaacn tctncactcn acactctana ccctccnanc ananacaaac 1020
tatcacaacc ananacnata cacacnatnc atatatctca cacancacca natnannnct 1080
anaacccana tntantncac anancantca cnaaactcac tccacttcaa cacntactct 1140
atcaacaacn ctacatcacn atatncatca acacatacna nanntaacan n 1191

<210> 1738
<211> 745
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(745)
<223> n = A,T,C or G

<400> 1738

ntttgattcg ntacaagcta cttgttcttt ttgcaggatc ccatcgattc ggttttataa 60
gtggagtctt cagggaatga ttatttggga attaggcttt gaaagagcct cagctgtgtt 120
ccacccccctc caagaattca ggctgttatt tttcaaggct gccacagagg tggggagtgg 180
aaaatgagac tagtaagtta aaatactaca aagcttgctg ttcttacaga aattcagcca 240
tttttcttga ataaacactt ccatggattg ctgcaagcct tgattaattg ccagaatctg 300
aaatggttgc ttttgacagt ttttttccca taggtttttg ttgcttttat ggaagagcaa 360
agttttggag gttcttcacc atggtcagtg acatcatttc ttggttttgc tcttgccccc 420
tctttctttc tgaagcatca taaggattag aatgatcctt gtgttgatga gttctctttg 480
tgacatgttg aatgatgctg tctgtggcac atncaggaaa tgtctaattc acagctgagt 540
ttcagaatct ggatcttgat gtagtcatct atttatagat gatagttaaa acaaaagtgg 600
attaaatagc ctaaataaag catttataat gaaataacca aagagcttct atatttgaag 660
ttggataatg cttccnanna aaannnnnnn nnnannnnnn nnnnnnnnnn nnnnntnnnn 720
nnnnnnnnnn nncntttcnn cttnt 745

<210> 1739
<211> 735
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(735)
<223> n = A,T,C or G

<400> 1739

gttgacttcg ntcaagctac ttgttctttt tgcaggatcc catcgattcg gtttagtgtt 60
cctccactgc tagaaatttt ggttgttcct gatttttatt ttccctttta taaatgtctc 120
tttggtgaac gttattagac ttacagtata atccagttga tacataagcg aatgaagaca 180
gtaaccctca aacagatgtg tgtgtggcat gtacattaac tgctatcctt tcagcacttt 240
gttttgttga aatggccatt tccattatgt tcaggaaaac tcattttggg aagaataagc 300
aataaatttg taattaatga aatctggttc agtttttcag tttgtccagg ttttaagaga 360
agttaggcac tggcctagct ttaactgatg tctgttgcca gtgagttgag atcatcagga 420
ttgctctgaa tacatgccag ataaggacgc tgagtaccag cacataggca cgggtgaatg 480
ctgcttcaaa tggtcaaaat gatgttcacc cataaagcaa caagaacatg ttaatgacat 540
acgttgaatg gcacctcttg aagtccaaag tcaggacttt attgattacc atatgaagtg 600
tttcctggga tgcccagcat gtttccagaa ganctgctgg ggtgcatcgt gggtttatcc 660
agcttggnca tgaanggcag atctcaacta tgnatgtttc atcttttaaa caaaccttgg 720
catagaaacc acaga 735

<210> 1740
<211> 753
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(753)
<223> n = A,T,C or G

<400> 1740

nngttgatnc nttacaagct acttgttctt tttgcaggat cccatcgatt cggtaaactg 60
tatatctgta atatgaatcc cagcttttga gtctgacaaa atcagagtta gggatcttgt 120
aaagggaaaa aaaaaacaaa acaaaatggg agatgagtac ttgctgagaa agaatgaggg 180
gaagggagtt ggcatttgtt gaaagtatag tctttttctc tttttttttt aattgcaact 240
tttactttag atttaggagg tcgtgcgcag gtttgttaca tgggtatatt gtgtgatgct 300
gagcttggga tgcgaatgat cctgtcaccc aggtagtgag tatagcaccc agtgaaactg 360
tagtctcatg ccaggcactg tgctagccca ctctggctca tttaatcctc tcctaagaag 420
agaggagaca cagcgtcccc atttgacaga tgcagaaaga ggttccacag gtgtgccttg 480
attctgccta aaaccgttnc cggaactttt cctggtgtgg gcgcttctaa cctaatcctc 540
aatcgattcc agaactatta ctctgtttcc acagtgatac tgtgtctagg ttttanggag 600
gacagttcat tgatgttact taaaaatgct ttccaggtgg naagttcctt aagttttgag 660
gcttcaaatt tccttacagc cattaaaatc ccattcatga ntttgaaata ctgntctgtg 720
gcttggaaat cccaatcaga atggttggct gaa 753

<210> 1741
<211> 822
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(822)
<223> n = A,T,C or G

<400> 1741

agttgaatnc ntatacaact acttgttctt tttgcaggat cccatcgatt cgccttggtg 60
catgggcctg gagccctggg gggaactgtg ggaactctga gccgtctggc cctgagggct 120
cagcctcagc ctccacatct gcctgttgcg gtcctggctg tggggtctca ggataaggac 180
atagcccccc ggaagctggg aaggccccac atcaggcctt gcagtttcta acccaggagg 240
tggccgacag cagtgcgttg gggctgcctg tccctgcaca cgaagccctg gggggtgaat 300
ggaggctctc cctgtttttg ttagcattgg aggcctgagc agggctaacg cccaaccgct 360
tgcttaaagc gcataaagat gctgagatgg aaaacgtgtt gcatggtgta aaccatgcaa 420

agcccttcca gccagtgcaa gtgatcgagg canacagaan ggaaaccgcc ttttgcaaaa 480
gagaagctcg gctctctctg gggtacacag atcaacccaa actgngcaaa gctcacattc 540
atcccaactt cacaagcttg cctgcattcc tgtttcacaa gcaccctcct tgtnccgttg 600
aacccttttct tccccccact tgaagtgggg ggggcttttc gggccttcaa ggtgggggggg 660
tgttttgcaa gacacagcct atttgntcct tgtnccccctt ggaaacttca ttaaacnata 720
gaacccatgg ggcnataaga ncttgtttcc ttgaannccc caaggttcat tngcaacnaa 780
ttaacccttt ttcaacattc anancccaac agttaattgc ct 822

<210> 1742
<211> 784
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(784)
<223> n = A,T,C or G

<400> 1742
nnnntntgaa ctnnttgtnn tcnctgcagg atccctcgat tcgagccgag ctgggccgtc 60
ctggggatcg gtacagctcc ctggggtntt nacaggccct ttgtgaaagt tgtgtgcttg 120
gtcttccacc ccaccccaac actgnttcaa atagcaccaa ccagatggga gtncncatct 180
gtggtggcaa aatgctgaca ttttcccaag aggtcacaag gtgggagang cctgctgtan 240
canaagtgtg tgttagagaa acaggggcct gatttagtng ccananactg ggtgagaaaa 300
atggccanag aaagtgacct gccagctacc agtgtttccg aaaatgaggn tgggatggcc 360
catttcagag cangacacag tcatncccat agccctctga ggaggggang gatgcttaga 420
gcaggcattt cttgtcagnt ctgacgtggc angtgccatt gnaacttgtg cngaggagtc 480
ttaggaagtg ctgccataat tcataaggtc aacancacat ctggatgaat gaaccacctg 540
aaatgtgtgt gggctgagcc acaggaaggg tgaatcctct tgcttgnggn gctttatggg 600
gtgcaggttg cttgcttttc cacattctct cattttgctt gaagcagcct aacaaaaggg 660
agttccccaa anagctccat gaaaacctta anaaaattca ttttcctgna ggaccaaaga 720
agaccaanaa tttgtncttt ggtcacactg gttgaagctt ctgtctttac aacntgattg 780
ttct 784

<210> 1743
<211> 751
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(751)
<223> n = A,T,C or G

<400> 1743
agttacttcg atactcctcn tgcatgcctg cgntnancnc ttcggatcca attcggcacg 60
aggtccatgc taatttctag attgatgttt tagccataaa aatgcagtat ttaataatat 120
tttattttcc aaattatggg aaagcttcag aaatagaaat attcaatata attagtactc 180
tctaatcttt tttctaggtt gaaaaatctt tgttttgctt taggttagat tatgttgaaa 240
cacatctgtg tttcagatgt gttcagagct gaggtctcag ctgaggctcc actgaagcag 300
gattcacttc caaaataaca gagttgttgc caatattcag ttcgtagcaa actactggaa 360
caagaatctg ttttcttgct gagtgaattt cttgccatgt ggccctctcc aaatgctgga 420
cataaaaaag taggctgagc acaatggctc acacctgtaa tcccagcagt ttgggaagcc 480
aaagtaggag gatcgcttga ggccaggagt tcaaaactag cctgggcaat atagggagac 540
ccccatctct acaataaata aaaataaaag ctttcattta caatgatggt agaccaaaga 600
aatttgtcct agatcttcac tggagaacat ctagaaaaag ctggcagctg acaaaaattt 660
taaaaacatc tgggctgggc ccggtggctc acacctttaa tncccacccc tttgggangc 720
aaggctaggg gatcacttga gctcangagt t 751

<210> 1744
<211> 742
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(742)
<223> n = A,T,C or G

<400> 1744
tacaaactac ttgttctttt tgcaggatcc catcgattcg aattcggcac gagctttntt 60
gnatttttac gctntgctgt ccatgacata tttctaacac ctttatgatt attgnncctg 120
cttgnaaaag ggntggnatt tntntgngtn ctcngntcgn agaaaaggtn nntgtgcccc 180
cccttctggg ggcagtttgn cactttgctt tccngtnctg ngnncntngc ntgagatttt 240
ttnaaanact cccgcangct ttcacttagt ttcattgttg agaactgnga caggnccatc 300
tctagctgca aangaggctg agaaagtgaa cacagcagtc ctccttatcc ttggggaata 360
cattccaaga ctggatccct ganacagcag atagtactga accctatata tactatgtnt 420
nngcctatgt atatatactt gatatggtnt ggctgctacc ccacccaaaa tctcatctag 480
aattataatc cccaaatccc tatgtgttaa gggtgngacc angnggagat aattggatca 540
tgggggcaat tnccctgtgc tgtcttgaga taatgagtga ctctcangag anctgttggt 600
tttataaatg cctggcgttt nnctgcttgc agcactncat nttgctgcct gtgaaagngc 660
ctgcttctct tgccttctgc catgaatgta agtaactgag gccttccagc angcngaact 720
gtgagtaagn nacctgtttc tt 742

<210> 1745
<211> 745
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(745)
<223> n = A,T,C or G

<400> 1745
agtttaatan anatacaact acttgttctt tttgcaggat cccatcgatt cgaattcggc 60
acgaggatgc acgggcactt tggaggaccg agcggccact ctgagtaaga tcatccaggt 120
ggcggtggaa ctgaaggatt ccatggggga cctctattcc ttctcagctc tcatgaaagc 180
cctggaaatg ccacagatca caaggttaga aaagacgtgg actgctctgc ggcaccagta 240
cacccaaact gccattctct atgagaaaca gctgaagccc ttcagcaaac tcctgcatga 300
aggcagagag tccacatgtg ttcccccaaa caatgtatca gtcccactgc tgatgccgct 360
tgtgacgtta atggagcgcc aggctgtgac ttttgaagga acccgacatg tgggaaaaaa 420
acgaccagag ctgtgaaatc atgctgaacc atttggcaac agcgcgattc atggccgagg 480
ctgcagacag ctaccggatg aatgctgaga ggatcctggc aggttttcaa ccagatgaag 540
aaatgaatga aatctgcaag actgaatttc aaatgcgatt gctatggggc agcaaaggtg 600
cacaagtcaa tcagacagag agatatgaga aattcaacca gattttaact gncctctccg 660
taaatggnac ctncttctgt aaagcangca gancttgat actcttcaaa aaacctttan 720
aatatctttt caagnttccc acttt 745

<210> 1746
<211> 748
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(748)

<223> n = A,T,C or G

<400> 1746
agttgantnc anatacaagc tacttgttct ttttgcagga tcccatcgat tcgaattcgg 60
cacgagtgta ggcacaagat tttcttgcta gcggaatgtg aaccaaaaag tgtagaggcc 120
aatcagtaaa aatattcaaa gccagttttg ttgttttcag cagttagtaa ctatcagtag 180
atgaatattt actaggaaac attggtcttt taaccacttt gggcatgctt cttatttagt 240
atgttcatca tgatttagta tcatgacatt cagcgaacat ttattgagtg cctactgtgc 300
actagggact agtaagcatg ttaagtttgt aagctttgtt gatttccacc acaaacccat 360
aggacctcag gttattctca taattgagga aactgagatt cccagtgttg aatgaaagcc 420
acacagtatc acatggccaa tatcatgtga ttgcagagtc aggactcaaa cccagctctt 480
aaccaccacg ctatactgac ggccctttcc cagttcacag ggaaaattca ggaacaggga 540
gagaatttca aaatattaaa gtttccccat agaattttct gaagaacttt gggtatatgt 600
tgcccccttgg tcactaacaa gttctagcag atgacagaac aaatgaggaa gtagctaatt 660
aatattaatg aacaacctca gaatttttct gagtgtggaa tagacttgga tattcaacag 720
tctcaaatat ttgacccatt taatggac 748

<210> 1747
<211> 737
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(737)
<223> n = A,T,C or G

<400> 1747
gnttgantac gatcagctac ttgttctttt tgcaggatcc catcgattcn naaacttctt 60
tgtcttttga atagtgtgcc tttaatagaa cacatatagc atagttctag ggattagagt 120
cttctgactt cattactatt tttacagtaa tttatatctt ggtttcttca attagaaaaa 180
aaaatcgggc ctgatttttt atttcattta ctagctcagc tgttctcaca cctacctgct 240
gaattagaag ggacaagtat aatccatctt cttttcttct ttccctcctt ctgtaataat 300
gtttttctat tttgcagggg taatttttttt ttttttttga gataccgctt gctttgtcac 360
ccaggctgga gcacagtggt gcagtcatgg tttgctgcag cctcaacctc ctgggttcca 420
gcaatccttc tgcctcagcc tcctgagtag cttactacag gcatgtgcca ccatgcctgg 480
ctaatttttt gtagagatga agtcctacta tgttgtccaa actaaaaagt aatttttttt 540
tctagaagaa gtttanaaga tttaggangg aaagggtggt ctttaaatan gcttcttttt 600
ttcctggggt ggggtgcaaa atcttccttg gtacccaggt tggaggcagt ggcacggctn 660
cagcactgca nctctgcctc caggtcaagc tattcttctg cctancctca cgagtggctg 720
ggatacaggn gctgccc 737

<210> 1748
<211> 753
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(753)
<223> n = A,T,C or G

<400> 1748
naantgaatc cnttacaagc tacttgttct ttttgcagga tcccatcgat tcgaattcgg 60
cacgagccag cattcaaaat tcccatgctt nnggaatcca ttgggacttc tccccaggat 120
gtactgaatt caaggaagct ttctctaggt gtagcagaaa ctgctgctgt catgtctctg 180
ctcaccagga cgtagcttct ctctacagac ctttatttct ttccctggag gcttcagtcc 240
atgttgaagt gtaaactcca ctcagctcca ggaggaatcg tgttttcttt atcaccaggg 300

09544520.050105

gcttcttcta cgagttgcct ttgataggga ggccaggagg aagataggcc caagctcagg 360
ggtgggatcg gggagcagga agcctgtggg ctttagaatc gaggtattgg tttctccctg 420
tcaccatcat ccaccacctg tgtgaacttg agccatttat cgaacctcac ggagccccaa 480
gtttctcatc tgtaaacaag gggaatgagc cctactttgt atggttgtca agaggatttg 540
agacaatatg tataaagcaa tggacacgca gaggaagtca ataagtacaa ggtaactctg 600
aaaatgccac caaagggagg ctagggacag gaaaaccatc tccgccaacc tcaagaaccg 660
tggccccgaa acttgttcca ggaactgggc attgtntgaa gataaaaaaa aaaaaaaaaa 720
actcggcctn tanaactnta gtgnncntat tac 753

<210> 1749
<211> 918
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(918)
<223> n = A,T,C or G

<400> 1749
atggnnnnnn ttttnnnnaa attntttccn nnnaaattac ccttccaaag ngcccttggg 60
ggccattggt nttttgttg ggcccaaggg gaaatccccc cnattcccgg aattttcccg 120
gttttttttt taatttttt gggaaaaaat aacctttgg ggncttggga acttttaaca 180
aaaaaaagga acttttcccc ccntcaacaa cttttggaac aatggaattg gaacaaaaaa 240
agcctggttt tggcaagtgg ttttccctng cancggaatg gaaacaacca aggaaacctg 300
ggggaaaggt ggaagaaaga aaccctgggg gaatggaaag tcatcctggc tgggaatgga 360
cctggctttt caggctgact ggccccccgcc catgggggaa cctatctcca ctggctatgg 420
ccagctattt ttttcgagcc aggctctcgc tctgttgccc aggctggagt gcagtgggtg 480
caatcactgc actgatcctc ccacctcaac ctacaagtag ctgggactac aggcgtgcac 540
caccacgcct agctaatttc taaaatttttt ttgtagagac ggctctacaa tcgcttgagc 600
ccangctggt cttaaactcc tggacccaag cgatcctctg tctcggnctn ccaaagtgtt 660
ggggattatg ggtgtgagcc accgtgttgg gccttttgcc caactatttt gatgcccaga 720
cctgcttcac ctttgtgtat tgaagcccgt tttgnaaacc gtgtgttgtg gtgcctttat 780
tgnacatcct ccaatnggcg gttcttttttt actctaatgg tcttttgggt tccccccctca 840
gaagaatcat gaaatttgca ccagacctaa tttttngggt acttttgggc ttattgatgg 900
atttggaaaa tgaaagaa 918

<210> 1750
<211> 1320
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1320)
<223> n = A,T,C or G

<400> 1750
caaannnnan cntnncnanc nnnatttntn atnatctaan ngtgggggggg ntttgtnttc 60
aaatacncnt tnttttttttt gcntaaanaa tccnccntcc aatanggtnt annctanant 120
tnagncnggg gggnnnttaa tctntatctn aatnttcnnn nnnannnccn cgcnancccc 180
ccctntatac tntngattat angngcnatt tcactcaata taatnangtg taggagtgct 240
nctcncccccc cttactnttt ctccatatct nnctaacncc tanaaatnta gganacttcn 300
atcacttctc catntntctc tcanactnna tnntanccac nngacncttc tgtattnnnt 360
ncncnangnc ntnnnctntn acataacatt ctacncatna nacataccct atntacacct 420
ttcgctncng nctcntttnt ctncancacn naatcntana ncnaactttn aatancntnn 480
tacatnnnct cacatnatta cgagtnacnt ttcttctgca aacatatcca cctntcanta 540
nntgtcatga tcttntaanc anatcccgtn tctctctaca ttannatatc tnntnatttn 600

nctctttttc nntntnctat tnaantctna ncnctntnna tnttncanct ntnccntana 660
nnttntcacn tnatcatata nctatcnaac catatnnntc ntnnataatn tnnanctctc 720
nnctattntt tnncntangn ctnctacnaa tacncncact atatatncnc nctatcanan 780
ttctacacta atatntannt acacncntac tctttctcac tnacncacgn natatctacc 840
tnannnnnct nttntnncnc tnnttctnan cactcatcnn tgaccntnan acgtcacatc 900
tcancataca cntccttctc tactttnacn canactactt cnanttcnct nanctnntct 960
nntctctntc tgntatcaca cacactgnna ntgnccgtnc gactcnttcn ntcatactnn 1020
ctntcnaact tncnctncta antcanctct nctnctntat atcacatnan atatatctng 1080
ataacttanc atcnncngnt antgntntat atatccaact canntncncc actnnnnnaa 1140
nntnactntc atcnntctat atcactnacc ntacatntac ctcatanctn cnatcntaaa 1200
caanacncnc tctannatnc ttantacatc tntncnacct cnatantcta tntataatac 1260
tncntnattn tngtntccta ntntaggtca tcnangnnac ncactcntta ncnatcaccn 1320

<210> 1751
<211> 1031
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1031)
<223> n = A,T,C or G

<400> 1751
gnncnnnntt naanagtggg ccngtgcggn ttgaancccn tancctngcc tgggtcncnn 60
tcngtnnnnn ccgtcnntta ncttcggggn aatannanng gggttttccc ctctttatcg 120
nataccntnn angnggggntg ntnngttgtc tcncncnnat antnntgttn cntnccgntn 180
agcanntatt cngcncantt ncctnncctc ccncttctta ccttacnttn nannnntcan 240
gnntgntnng tntantgttt nntcntnnan ncnnntntnt nncaatgnaa ngctcctant 300
ctcacntntt actntgtgnn aaaangcnan tatnnttctt ctcnnntnag ntntcntnct 360
cnnnncnatc ctcnatannn cnttcatctn cttcccccnt gnatattcan aactccattc 420
ntcncntatt nncgctngcc tttnatcgtc ntgctggnnn tcccntctnt nttnacancn 480
natactgtnn tgctgcnata canntacntt ancgannnnn actntcntca caatacttnn 540
ttnnctnact cnnttacnat gacgatnatt nttcactctn gtnctantgt ctagtacnnn 600
taatntantn nnttctcntc ctaanntnct ntnattgtnc gntnatcttc ntaggnnnan 660
ntctattncg ngtcnnctac actnatctnc ntnactntnn tacngtgnnc nnnncgnacn 720
tctgcggcct ngtgtcntct catnnntnct ntctnnatct ncatcntttt cttcttccta 780
nactcntncg atcancctct atntcttnat ntnntcatgn ngtccacgna ctnccccnc 840
nttgcgnntc ngatntnncc anggtcntcn atttncntna acaggttcnc ttccggacat 900
ccnatatnnt cnnnnntcan ttcgaanttn tnttnctnnt tntgaannntg acnnntntat 960
ttcctgnctc actcccttac tgtacntnna ctnacccnga tttattatna tcccctncnt 1020
cntngntcnc g 1031

<210> 1752
<211> 692
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(692)
<223> n = A,T,C or G

<400> 1752
ccncnntcna attcggcacg aggggagctg nnnnnnnnng tctagctctc agcagagctg 60
ggagcaaagc ctggccgccc accccaacct ggggctgcct cccactccgt gagatgcttc 120
tgtctcctgt tcactttgtg tggtagtttc ttattttcaa aatgcatctc atttgatcat 180
tactgtgacc ttgggaagca gcaggacagg gatttctttt tagaggtgca aactgctcag 240

09/543,530 - 05/04/00

aggggacaca cctcagcctc tcactgtggg tacacgtggc gtgccatgag tggggaagag 300
caacaggcga gatgcctcat tctactggaa catcactgtg ggtgaacaga gatttccagg 360
ttttccctct taaaatattt gtcccacacc gacaagagtc cagtcaccag gcctcaaagg 420
aacttctgct tgtagcagcc gcctcccctg tgccccagcc tccttaatgt gtgcactctc 480
agagggcaca gctcgcgagg ctgggtttgg gggccaagtg gcttgttcat tccagcatct 540
aacatcataa aggtgggccc agatttcttg attcgaccac agtgctgttc ctaccacaca 600
aatatccatt cctgttttgt tgaagcagcc actggtcctc ttgtttcccc tgcaaacgga 660
nggacctgca gtgcccattc attcaacccc cn 692

<210> 1753
<211> 1239
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1239)
<223> n = A,T,C or G

<400> 1753
ttntnntnag aggntgnnnt tgaagcatnc ttaaggggnn nctttgaaa gtggngntnc 60
ncgnatnann gangncganc cntttctttt atnatgcatt gaatnaaagt ttatgntnnt 120
taccgnagnn atgtgngggg agtgatattc ctnnnntana ttatgattct tgtgntangn 180
agatannatt ngnntgtggn naaacnttcg gnanntgatn cntntnnntn tncaaaataa 240
tnatcnccat antttctagn nggagaaaaa aagngtntcc gnatnagtnt catatgnata 300
angcttntnt ngcgggtata gattgtgtat ctcntntntg ncgatatang cacctgtntt 360
ccgnatacta tgngtnnnga tanncnntat nttacntttg aaatgnngca nactnnntng 420
ggnagtgtcc ntccgnaatg tnactatnac gcgntntttg ganatgnact aacacnatng 480
ntntntcgcn atcgttncnt attnttattg tntnctatgt ntcnctgcna tncattatcn 540
tntcatcnat atnnttttac tggcctcaca gatttgnggt cnaanattgn ntgnanactn 600
cnantgtanc nganatncta nnntcattnt angancantn atatgtattg gattggatag 660
cnattantaa taatcnggan cntanntnng cgantnntac ntcannaana gatantntnt 720
ttatatgaaa ctntctggng agcgagaacn ggggcanttt cgtggnccta tntatancgn 780
gntgttnttg cgtaagatat ttacgagctn cttncntgta nncctngatn acntnnanaa 840
tanacgngtn ncntatatga gaagtgtnnc atgtttttat antgcngtaa ttactnnatg 900
naatagatna tntgtgtaan agagataatg tgtntncgnc ggtntgcaac atagcatagn 960
gaatgnnacg agnngtgtaa gtgnatcata tgaaatnant ggtnntcacg ctangttana 1020
tcgtatcncg tgnaantgta ngtataaggt natattngaa ttngaaacnn ntatnnntat 1080
ggnatnctac gtgnggggnn tgtngtttta ntcagaggat attatttcta gtgcanngtg 1140
gtaaagaaaa nanatntnat gtatntgtan gantnannnn tcgatganng natangatng 1200
tntnnanngn ataggnnant cggcgtancg atnangngn 1239

<210> 1754
<211> 674
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(674)
<223> n = A,T,C or G

<400> 1754
tncggggncc cggctttaag agcacaagga gggaaagtaa cgaaagggct ggactactat 60
aaaagttaca aatacgtagt tagaccaata gatttatata agncaggtnt ttgncatgta 120
attnattaac taactattac agaaacacag ctaanaatat caagtatttc tctggctctt 180
gacagaaaaa aatcagttga cttaaccctt tgctgtcaaa agagttggcg tttcctgttc 240
tgggtgctac tgccaaacgt tatggtactt agagtcggga tgcacaactt caaccaccga 300

cttatcaatg cagcncgcct gtgtattgca attggccgtt accttaanca ctgagccacc 360
cgggtttagt tcagccattt caagaagtat atttaacgtc ggtagttctg ctttattaaa 420
atgcancaga ggtactcttc tgtnnctncc gtttatagtt ntctgaagag agttctattt 480
tntggnatng gtttgggttn cttttgcatt tttngtatct tngtatttat ccctgaacat 540
gttttnnacc ttttttttttn ttaaanaaaa annaatcntt ccgnggtttn taaaaaaaac 600
ctacgangna annccttgaa gnaaatgtgg cggtcnctta aaaaggtctc tgttgcngca 660
agggnttaaa tccn 674

<210> 1755
<211> 967
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(967)
<223> n = A,T,C or G

<400> 1755
tnnctntntt ttagngggnt tnttnnntta aatcccctnn ccatagagcg gggngnttnt 60
cttttannnc cnnncnnngg gctagagant tcaannngnn tggcgnnncn ctntatncnc 120
tcccacaata nngggatgna ncntnnntnn actttatnaa tctcnttnnt ntctcnnacg 180
ngtgatntng ntttagtnnc ntcgccgctt tcncnggntt ggntcnannt tgtncattnn 240
aggnaatccn tttnatcnan natcatcatc ncnggtnatc tgttcnctcn ancgncaccn 300
tnanntccna ntnnncttagt ctcnnnagcn anantatntt natagtnacc anatcttttn 360
cttnaanggn aatacatatc ctcctnctna gaancgngnn catctagann cntnntntct 420
ccncttantn ngctcctcna ngtnccttat aagtncnntg cntcnaaagg cgaaaaaata 480
atttannttg nannncgttt cattnacann cngcannggt atnnnaganc gnanctctnt 540
ttantgncct tacccttaa ccaantctan tnatatttna anttgnaacn ttatntntgg 600
ggntaccnan acannatcnt ctcggnggtt anacntgnac tnnncntngt nncaagntat 660
nntantngnc atgtgnntnn cttgcctagt ggtnaggtat tctnaaaatt tnntaantcn 720
taaatttanc atgccanatg gnacgtaata gtatcaanan tntggtnnat ttttnggnan 780
cctttntcng tananngngg ggntanngct gccttcantt tcannccatc anatgntttn 840
ncaaagattt tatngtactc tncttntana ttctttanag ccaannnnng aagncncngt 900
tcacttttcg nanntaagan tntnncntat gnncntcttn ctanaatntt ctntctccta 960
ngtnnnn 967

<210> 1756
<211> 734
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(734)
<223> n = A,T,C or G

<400> 1756
ccncgnctcg aattcggcac gagaccttta cctgcaacct ggctgagaat gtgtccagca 60
aagttcgtca gcttgacctg gccaagaacc gcctctatca ggccattcag agagctgatg 120
acatcttgga cctgaagttc tgcatggatg gagttcagac tgctttgagg agtgaagatt 180
atgagcaggc tgcagcacat attcatcgct acttgtgcct ggacaagtcg gtcattgagc 240
tcagccgaca gggcaaagag gggagcatga ttgatgccaa cctgaaattg ctgcaggaag 300
ctgagcaacg tctcaaagcc attgtggcag aagaagtttg ccattgccac caaggaaggt 360
gatttgcccc aggtggagcc gctttttcaa gatcttccca ctgctgggtt ttgcattgag 420
gagggattaa naaagttctc ggagtacctt tgcaagccag gtgggccagt aaaagcttga 480
ggagaatctg ctcatggtgc ttggggacag acattgaagt tgatccggag aagcttccan 540
tcatttttg caagataccc cttacttcnt tcttgtttgg aaangggaat tngccccca 600

atttggtngg gagaacccca ccccancccc aanggangcc ttgaaaccga aaggctttgt 660
ccttggcntt tgggggggggg annantcttt gaacaaggcc ccaaaaancc tttttcttac 720
cngggcttgg gccn 734

<210> 1757
<211> 654
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(654)
<223> n = A,T,C or G

<400> 1757
ccncgntctg gaantatgtc cctgcaccca aagaaggttc ttttgaactt tatggagacc 60
gagtcctgaa actgggaact aacatgtaca gcgtgaatca gcctgtggaa actcatgtgt 120
ctggatcatc aaagaactta gcctcatgga cccaggaaag cattgctcca aaccctcttg 180
ctaaagaaga gctgaatttc ttggccaggc tgatgggagg gatggagatt aagaaaccca 240
gtggccctga gcccggattc cggttgaatc tctttaccac cgatgaagaa gaggaacaag 300
cagcgctaac caggccagaa gagttatcct atgaagttat caacatacaa gccacccagg 360
accagcaacg gagcgaggag ctggctcgaa tcatggggga gtttgagatc acggagcagc 420
caaggctgag caccagcaaa ggggacgatt tgctcgccat gatggatgag ttatagctgt 480
tctgaccagg cgtcctctgc ccccagggag aggctgctgg atggtgaccc ctggggaatg 540
ccccatggcc cagaatgatg ctgctagttt tctactgagt gaagccatta cgtctatttc 600
ttatttatgt tgtaaggaac tgtgtgagtc tcctttgagg agcactcact cttg 654

<210> 1758
<211> 668
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(668)
<223> n = A,T,C or G

<400> 1758
cccnccncgg aattctggtc ctcccttccg agcaacgttt gcaacgatga gaggatggct 60
gcaggaaacg gcaatgagga tgactgttgg aatgggaaag gcaaaagcag gtacctgttt 120
gcagtgacag gaaatggatt agccaaccag ggcaacaacc cagaggtcca ggttgacacc 180
agcaaaccag acatactgat ccttcgtcaa atcatggctc ttcgagtgat gaccagcaag 240
atgaagaatg catacaatgg gaacgacgtg gacttctttg atatcagtga tgaaagtagt 300
ggagaaggaa gtggaagtgg ctgtgagtat cagcagtgcc cttcagagtt tgactacaat 360
gccactgacc atgctgggaa gagtgccaat gagaaagccg acagtgctgg tgtccgtcct 420
ggggcacagg cctacctcct cactgtcttc tgcatcttgt tcctggttat gcagagagag 480
tggagataat tctcaaactc tgagaaaaag tgttcatcaa aaagttaaaa ggcaccagtt 540
atcacttttc taccatccta gtgactttgc tttttaaatg aatggacaac aatgtacagt 600
ttttactatg tggccactgg tttaagaagt gctgactttt gtttctcatt cagttttggg 660
aggaaaag 668

<210> 1759
<211> 1381
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(1381)
<223> n = A,T,C or G

<400> 1759
aagngggaan cagngnnacc acgcacanna nnnccnnaag gngggggggg nnnnacacca 60
nnnnnnnnna nnggnnngac gngnngaaaa ncccccncc nnnnnacccn nnnnannnca 120
gnncngacgg gnggggggna acnncncnaa aaacgcccnt ntggngannn nnncccttta 180
ccncccggga caannaaccc agcccagggg aaagnannna cacncgannn gggagnaggg 240
ccggcaccnc acaatannca cacacnncga acntaacgga nngcgganan ancgtacaca 300
acnccnacga naccanaann cancanaaaa cannancacc cagncaccac ntcatacntn 360
ctngnanatn atacntcatn atnctgccat atcatcncna cagtnccang gcncgngcag 420
atccanacaa tactacgcgc agcaaggnac caacanaaat naaaaancaa ccanggaacc 480
ccccacnaca cacnncgnnc gcagaannna natanaccac anctgntnca naaacnccac 540
nnagngaaac ngccagcnga antcagaacc ngncaacntc cacgaccana nnagnnggaa 600
ccaaccaagn ccagatngcn ancaatanna ncacncganc cannacaatn ncncnacacn 660
acnnngnctc nnnaacnnca ngaaaaaagt catcgnncna ccacnacgng nnaaaaacnn 720
ncntacgaca tataccancn naacnngcnn nncgncnnac gcaagncnan cncacnncta 780
tngcnancct nnaancgcnt gtcaatnntn acgcccngnn nacngtagac nactgganca 840
nacanacagn ggngccacgt tgaaanatgc gnntantacg ngatgngnac acaanaaaac 900
acnccncnca gacgcgcacg acnnncaccc gnggggcgna ncannaaann ntncgnangg 960
acaacgncac nngntncngg anaccgcant aaaantccan nccaaanact angngtggac 1020
gaaaannenc gaggacanan acnganacgn tgaaggacna nagctgcaaa ngggcnacac 1080
aacgnccang ctgaacanac cgncacaaca ngcntncatn nnngngcgcn cacngacnac 1140
atcncaacgc gcgtnaaanc nanaacgggn acacacannn aataanacac acgcangaaa 1200
agaaaaacng gnaacgagnn gaaaaatnga cccaaatatc aagnncnana acncangcag 1260
gggcacgngg annngggaca agngaaganc ncggnccngn annacncgaa aggcnagann 1320
gaggccagac acacacaaaa actacatcag gaagacnagg aacnngaaaa agagaaaanc 1380
n 1381

<210> 1760
<211> 1027
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1027)
<223> n = A,T,C or G

<400> 1760
aacncacccc annaaaanna anacnanaaa anacatcaaa aacanacnna aaaannnaaa 60
aaaanaaaaa nnannggggaa aanaanacan aagaaanggg tcaaaaaanc annnacatna 120
cnatcnnaac nncgaanntn cnaaaaacca ncnccnnnan aannnaggnt tttnaaannn 180
cncccaaaan ttttttntaan acacataaaa antttacngg ggggagnnat aaaaaaaaat 240
aaaaagtncc ccnccnatat tcactcacaa ntccacacaa catacnannc anaaaacata 300
aantttnaaa ncctgnagtg ccnaaataaa tgacacaaan tcacaaaaaa tatcanagca 360
cnnanagncc attatcnaan acnctaaacn tnntgncnca acctnnanaa atnaaaanct 420
cncaacncat ctannanaca nanatanata aaaaatnaac ncantancaa atnnncaata 480
aaattaaaat aaatnngnnn naaaanccan tcananaatn atataagnac nnactnatat 540
acatcattct acatcaaact aaanaaaaat ccaantatnn taaaacnana acaatncaaa 600
acanccatac atananattn annttnanac tctaaaanaa nncaattctn nnatcactac 660
aaancnctnn tnncantnac caactanctn nancanccta atcannanac tntnatnnaa 720
atntattcct nanaacntaa caaaancacn nannanctnc actnnntact naatntanac 780
tnnataanca aatancaata nnncnanata annacannac acnantntna taaacaacac 840
tactacgtaa nctactacac nacacatatn nctaacaaat tnaacnatac gaccatcata 900
atntaaactn nttannnant nnctnntanc nactaaanat acaancanna aatntcttna 960
anancancnn tnctatnana aaacantaat caatctnact acnnntaacc aatnncncat 1020
atatnnn 1027

<210> 1761
<211> 670
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(670)
<223> n = A,T,C or G

<400> 1761
ttatcgaatt cggcacgaga cagtcatcag gacctcagtg tgatacagcc aattgtaaaa 60
gactgcaaag aggctgactt atccttgtat aatgaattcc gattgtggaa ggatgagccc 120
acaatggaca ggacgtgtcc tttcttagac aaaatctacc aggaagatat ctttccatgt 180
ttaacattct caaaaattgg cttcagctgt tctggaggct gtggaaaaca atactctaag 240
cattgaacca gtgggattac aacctatccg gtttgtgaaa gcttctgcag ttgaatgcgg 300
aggaccaaaa aaatgtgctc tcactggcca gagtaagtcc tgtaaacaca gaattaaatt 360
aggggactca agcaactatt attatatttc tccttttttgc agatacagga tcacttctgt 420
atgtaacttt tttacataca ttcgatacat tcagcaggga ctcgtgaaac agcaggatgt 480
tgatcagatg ttttgggagg ttatgcagtt gagaaaagag atgtcattgg caaagctggg 540
ttatttcaaa gaggaactct gatgctctgc gtgggaccat gcctgactcc ccgaataact 600
gaaaaatggc tgaatatttt tatgggtact tggatattta tttnccanga gtgagcctaa 660
nacttttttcc 670

<210> 1762
<211> 1558
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1558)
<223> n = A,T,C or G

<400> 1762
canggaacaa tcngantnnn tatnantacc ncnnntgann nantnnttgn ntnnananna 60
antnacctng ngagtaanat natnncncaa ncnntcactn tncgatantn nntacgntta 120
ttnnantngn naaanttnat nnanaaanta anactaatnt cgtttntggg ggtntaattg 180
taccctngat accccnnaat ngggntanaa atttncaang tnnangattc gcaagcnant 240
tantcanaca atngnaatnn taacccnnag tcnaanangg ggngtntntt ntttntnnnn 300
ntnnannatt naccccanta acnatnnatc atcnatnant agnctnnnga atannataan 360
ncanatctnc aatntcnacn gtacntatat cnntantana nntgtnaata gaancgaaan 420
agntnnagaa nnatnanaat ntgtcttnaa tnnancnnan ntaccnanng cggnnacnag 480
naantancgt gnnngantaa cgacnagnna antcnnaatc ntacagtnat tcacgnntgt 540
antgctcata cgnnagcant gtcacntatt atcncancnc anttgnntcc ngaactgatc 600
nagnnatcac aanatantan antacanata ttaactgata tttncangan natttnnacn 660
cantntanna ctcangancn tncgcngctn gttgcacatt anancncnta acacacatca 720
cnatanacan cancantnna tacnctcngt gcagtacntg ntanctcttt tcatgaagnt 780
aatgncganc ntnnagaaaa nancncanat tctnancnaa tacanngcta acatantagt 840
ataatacana tacganttnc acatntgnca nttacattna gagcaccgnt ntacacaatt 900
gttcnactga ntatantnnn ngcagtaaca cgngctgtnc ntcacnngtc acnanannag 960
nanncntnac ntgtaattan ntgnagctaa atcnncagnn agatanatnt aantatcngn 1020
catatcgtnt ttntgataca nnntncnntc tctacgctnn cgcatttang anntcnatat 1080
agcnnanncn tnnctnnana annanncgta aatnatnctc tacnttnnat atntaacgaa 1140
tcntaanttn ntatctatnt atacanngca ctatcntata atgnnacnat ttntnatcgn 1200
caaaantctt ntantatcna tnananantn nctngctnca nattantann aacnnactcn 1260
nccgntnnca agntntnnca nattannntn ataaatcant gntatgatga tgagctcnca 1320
aancatcncg tagnntgntg tatacnncna gnnangtata agacnacttt ncacnnnact 1380

acgnatgact angannatat ttntncgcng tncctcatnc nangcanatc cataanannt 1440
ggataanntt tactgagata cnatctnncg attacatnac nccactacat ctgtgattac 1500
aactanagna tagaaatnan cncntnccta ttctnaatnt atngantntg tgagatnc 1558

<210> 1763
<211> 682
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(682)
<223> n = A,T,C or G

<400> 1763
nttcnctgac tnannanctn cacaacactg ntancttgac tgtanctatg taataacatt 60
agatccccta attgtaatta tattgggttt gcacagaaca ctttaatctt cccctcacca 120
atgtgaagtg aggaatcagg agtcaaactg tagaactaaa atttgacttc agtctagcgt 180
ttccttggtg tttttaggtt gctttggtaa gtttaggttt gctatatttc tgattgctta 240
gaattttgtt ttagcccttt aaaatcagat cataaatatg aattcatact tctaaggaat 300
tttcttgcta taagctggag tttaggtgat gtataggttc agttgagaca tttttggaac 360
aggcaaatcc ttagttaaca taagatattt aacagttgaa gatagtgtca tggatttta 420
tctttttag caagtaatgc taagaaccac tggcctgagc tactactctt cagtatacat 480
tattaggatt gcatagactt actagaggaa cagtttcagg ttttgatgct aatcagtggt 540
tgtgtcctaa agttgtcctt tgtgccttta aaaaggtttg gatatatctt ctangtttaa 600
aaattgctta ttaaggaaat tcattttant aattgcaggt ggggaaaagt natgggtcaa 660
ntaaccacta gggtaagact at 682

<210> 1764
<211> 678
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(678)
<223> n = A,T,C or G

<400> 1764
antaacgaat tcggcacgag gcanngtggt gactaatata gtaaatgtct ttatagtaat 60
acgtgagtaa tcattaattc taaagataga attattatta caataaacaa actttagtca 120
catattggca gtttttctat ttcaaacaca gcaccagaga tcagagtcta cttgaaactt 180
acatttgtgt tatttaacaa tttttctgta tctttttcat tggtgttttg ttttgtttat 240
cttttgtttt tgtttctttg gtttggtttg tttttgtttt gtttttgag atacgatctc 300
tgtcacacag gctggagggc agtggcacag acatggccca ttgcagtctc aaactcctgg 360
gcttaagtga ctcttctgcc acagaagatg aggaagaata cattttcat agtgatgggg 420
tctcactatg ttatctaggc tggtctcaaa ctcctggcct caagcaaccc tccaccttgg 480
cctcccaaag tgctgggact atagacatga atcaccacac tcagcttcca tgtcttttta 540
tgaactangg ttcctaatta atcagataaa tttggtattt tcatctccta acttgccata 600
tgttttctgg gaaatcttat aagcagccga gagtggnggc tcacgctgga aatcccanca 660
cttttgggan gctgangg 678

<210> 1765
<211> 1415
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (1)...(1415)
<223> n = A,T,C or G

<400> 1765
ctnntaatat acnnananca actncnantn nantatttta ncntaannтg tnncactatn 60
taananantc tnnnctnaan acaaantnag tanncttтgt anattcnngg naatctcttt 120
nagaannnat catntnaagt atatcgnacn agctcattaa tatnatngaa ntcatnacan 180
nagaataata tcaannacta aatcaacacn cncaanntaa tatcgaattc gggncgaaga 240
nnaaacgcaa ctaggncacn ccgggnnggn gnagaccnta caaaaaanat annaaaaaat 300
aattaataag cccancttga ncctnattan gggggnnnnt ttataaaaaa anctntnnnc 360
cancanacat ataacntnat atanaataaa ttnttactta naatnatagn nnantatnnc 420
tatnaggnnt anataaanac tnaattaacn nanaatttna nattagagna gaaantcata 480
aanacattaa nanncgacta nctcttnaaa gtnngtnaan ttgntanann catnnancnt 540
atactatatn ctatnntcct ntaatncaca gacgtnttnt gagantnnnn ttcnntnata 600
nnntattctn attcagantn gcgnattata tatatnatna taaactatag anntcatatt 660
atcacanatt aaatancgcn ntcctcagat ctgctncntc ttataanttn tnganataag 720
tacnaaatac anatacactn tnanagtctt aaatatcaat angaacaana nttatatata 780
tagtacacgg tntcttatat nataananta nntctcntat taannтctcn nnctactata 840
tntcacnnaa annatcanaa tcgaanacat nttnntatta ctnctgntnn gntacnnnnc 900
aatgtcaaca ntttnatacn nccannaaat ctttctnntn aatngncnga ntatacntan 960
cnnaantant ctnngtagtt tatancaaac aggacaancc attantaaaa nctntnatna 1020
natnncatan tnctaaanat atatctcnna ttananacat anaatanaga taannтnatn 1080
atcnttaanc anantattan atantanaat anntnaatcn tnaantanna cnttntcctc 1140
tactancnnc tctntnttta agctatantg agttcncgca cntatntcgg atnctancat 1200
ctataacata ttaataatat nnatatatat nnagttctgt aacactcaca anacgcgctn 1260
anncgaaann ncagantata tanacatatc aaacnntann attatcttct ctntatattc 1320
tntttacaca ntctancnta nttntctana annatcatna acaattgttg cgactatcat 1380
acantcataa tcaccaanca gtcacggnga gngcn 1415

<210> 1766
<211> 673
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(673)
<223> n = A,T,C or G

<400> 1766
tntcacaatg tgggaactgc caaaccaaac tgcacgacat cgacggcgta cctcacctca 60
tcctcatcgc ctcccgagac atcgcggctg gggaggagct cctgtatgac tatggggacc 120
gcagcaaggc ttccattgaa gcccacccgt ggctgaagca ttaaccggtg ggccccgtgc 180
cctccccgcc ccactttccc ttcttcaaag gacaaagtgc cctcaaaggg aattgaattt 240
ttttttaca cacttaatct tagcggatta cttcagatgt ttttaaaaag tatattaaga 300
tgccttttca ctgtagtatt taaatatctg ttacaggttt ccaaggtgga cttgaacaga 360
tggccttata ttaccaaaac ttttatattc tagttgtttt tgtacttttt ttgcatacaa 420
gccgaacgtt tgtgcttccc gtgcatgcag tcaaagactc agcacaggtt ttagaggaaa 480
tagtcaaaca tgaactagga agccaggtga gtctcctttc ttcagtggaa gagccgggac 540
ctttcccctg caccccgac atccanggac ggggtgtgag gaaaacnctg ccttccaatg 600
gcctggacng gatgtttnca aactnttggt cccctacgtc tcaacaggcg ctnacttgaa 660
gtgnatgaat att 673

<210> 1767
<211> 694
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(694)
<223> n = A,T,C or G

<400> 1767
gnnccngtag angnaattat catgtttcca gtccnagtat tctttttgt tccacaaatc 60
atagatgtca ccattgaacc ttctgaagag cctttatttn ctgctgatga attgtatgga 120
atagttggtg ctaaccttaa gaggagcttt gatgtccgag aggtcattgc tagaatcgtg 180
gatggaagca gattcactga gttcaaagcc ttttatggag acacattagt tacaggattt 240
gctcgaatat ttgggtaccc agtaggtatc gttggaaaca acggagttct cttttctgaa 300
tctgcaaaaa agggtactca ctttgtccag ttatgctgcc aaagaaatat tcctctgctg 360
ttccttcaaa acattactgg atttatggtt ggtagagagt atgaagctga aggaattgcc 420
aaggatggtg ccaagatggt ggccgctgtg gcctgtgccc aagtgcctaa gataaccctc 480
atcattgggg gctcctatgg agcccggaaa ctatgggatg tgttggcaag aaccgtatag 540
ccccaagatt tctctacatt tgggccaaat gctcgtatct caattgatgg ggagggagaa 600
ccaggcancc caatgtggtt ggccncgata accaaangga cccaaagaac cccgggaaag 660
gaaancaagt tcttccagtg cttgattgna accg 694

<210> 1768
<211> 675
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(675)
<223> n = A,T,C or G

<400> 1768
tttcgaagat gaagaagttc tcttcctgta gaaaaagtag atgttatcat atctgagtgg 60
atgggctatt ttcttctgtt tgagtctatg ttagattctg tcctttatgc aaagaacaaa 120
tacttggcaa aaggaggctc ggtctaccct gacatttgca ctatcagcct tgtagcagtg 180
agtgatgtga ataaacatgc tgatagaatt gctttttggg atgatgtcta tggcttcaag 240
atgtcctgca tgaagaaagc agttattcca gaagctgttg tggaagtttt agatccgaag 300
actcttattt cagaaccttg tggtattaag catatagatt gccatacgac gtctatctca 360
gatttggaat tttcatcaga ttttaccctg aaaatcacaa ggacatccat gtgcacggca 420
attgctggct actttgatat atattttgag aagaattgcc acaacagggt cgtgttctct 480
acgggccctc agagcaccaa aacacactgg aaacaaacag tatttctact ggaaaaacca 540
ttttcangtt aaagcaggtg aagccttgaa aggaaaggtc acaggttcac aagaataaga 600
aagatccccc gttctctccc cggaccctca cgttgaataa attcacctca aacttatggn 660
cttccagtgg aaacn 675

<210> 1769
<211> 661
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(661)
<223> n = A,T,C or G

<400> 1769
ttntcgntnn nncnancnan aaaacatctg gtttttgtgg cggggcgccc tgctcctggc 60
agactacatc ctgttccgac aggacctctt ccgaggatgt acagcgctgg agctcggggc 120
cggcacgggg ctcgctagca tcatcgcagc caccatggca cggaccgttt attgtacaga 180
tgtcggtgca gatctcttgt ccatgtgcca gcgaaacatt gccctcaaca gccacctggc 240

tgccactgga ggtggtatag ttagggtcaa agaactggac tggctgaagg acgacctctg 300
cacagatccc aaggtcccct tcagttggtc acaagangaa atttctgacc tgtcgatcac 360
accaccatcc tgtttgcagc cgaagtgttt tacgacgacc acttgactga tgctgtgttt 420
aaaacgctnt tccgactcgc ccacaanatt gaaaaatgcc tgccagccat actgtcggtg 480
gagaaaaagg ctcaacttca cacttgagac actttggacg tcacatgtga agcctacgaa 540
taactttcgc ttcttgcttc acccnctgga caacttacaa atggnagctg ccttttggn 600
ggancccgn ggaggcctcc ttccccagtc tggttacaac cccttcacaa ctggactntg 660
a 661

<210> 1770
<211> 676
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(676)
<223> n = A,T,C or G

<400> 1770
tttcatggaa ttacttttct tctagantan tanctntctt nccactctca cttgaaccca 60
ctccaaccag gcctccccat ctccatgaac ctgatcttgt cagagtcaca aggacctcca 120
cgatctccac attgctaacc aaatggtcaa tgttcagtct tcatcttatt cagctcatca 180
gcagtccata acttcctctt ccttgatgca tattcttcac ctagcttcca aaacctatac 240
ttctcctggc ttttctctgc cttaccagta atgccttact ggtctcgttg ctggctcctt 300
ctcttctgcc ccactttatg cacagaaatg ccctagacct gccctttctc tacctatact 360
caccctctac tgcttgtgag catcttgcgg tcagctctcc acctacccag ccccctgcag 420
tttgagctca atacctgttt gttgaagtgc actgagtccg gaaagtcggt tctgtcagtg 480
agcttctaca gaaaggaaag cctttgaaaa tttttttga gaaaagaaga cggggcaaga 540
angggggccc ggaataaaac actgcactcn cttccnanan aaaaannnna nnnnnnnnnt 600
nnnnnnnnnn nnnnnnnnaa anannntnan nnnnnnnnnn nnnnnnnnnn nnnnnnncnn 660
nnnttaaant ntcncg 676

<210> 1771
<211> 636
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(636)
<223> n = A,T,C or G

<400> 1771
ccgttcctga tggagctgna nagccaccca caaacaaact acccattttc ttttttggaa 60
ctcatgagac tgctttttta ggaccaaagg atatatttcc ttactcagaa aataaggaaa 120
agtatggcaa accaaataaa agaaaaggtt ttaatgaagg tttatgggag atagataaca 180
atccaaaagt gaaattttca agtcaacagg cagcaactaa acaatcaaat gcatcatctg 240
atgttgaagt tgaagaaaag gaaactagtg tttcaaagga agataccgac catgaagaaa 300
aagccagcaa tgaggatgtg actaaagcag ttgacataac tactccaaaa gctgccagaa 360
gggggagaaa gagaaaggca gaaaaacaag tagaaactga ggaggcagga gtagtgacaa 420
ccagcaacca gcatctgtta atctaaaaag tgagtcctaa aagangacga cctgcagctt 480
ccagaaagtc aagattccaa aaccaagagg cagacccaaa atggtaaaac agccctgtcc 540
ttcaagagtg actcattact gaagaggaca aaagtaagaa aaggggcaag aggaaaaaca 600
cctaaaagca cctaaaagng aaaaggccaa aggaaa 636

<210> 1772
<211> 906

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(906)
<223> n = A,T,C or G

<400> 1772
tntnnntnan antannnnnn nancncnntn nnncnnnnna nnnannttnn ancntnnnnn 60
nnnngannnn nnnnnntgga nattcatnat ncancattcn nnnncnnntn nttccccccn 120
ccccnttccc cccccncent cnnnnntnna aantttttan aacaaggggg catantatga 180
atgctacncn ccctgtagat tctgaaaagt tggccatgtt agaggaagta tttgtnagcc 240
ttgaaatctc cttcaaaagn gaatattgca tctgtcttag aaaattacca tacagagtct 300
aagattgatc gagacaagtc ttttatactt gaggaacaca tggacaaaat aaacagttgt 360
ttttcagcca atactgtgga agaaattatt gaaaacttac agcaagatgg ttcatctttt 420
gccctagagc aattgaaggt aattaataaa atgtctccaa catctctaaa gatcacacta 480
aggcaactca tggaggggtc ttcaaagacc ttgcaagaag tactaactat ggagtatcgg 540
ctaagtcaag cttgtatgag aggtcatgac tttcatgaag gcgttagagc tgttttaatt 600
gataaagacc agagtccaaa atggaaacca gctgatctaa aagaagttac tgaggaagat 660
ttgaattaat cactttaagt ctttggggaa gcaagtgatt ttgaaatttt tgagggtgac 720
aggcttttaa agggataatt ttgtancatt ggnttggcaa tctacaacat gtgggncaaa 780
ttccancctg gctggctggt tttaatatac ccctgtaagc taaaaatggg ttcccgcatt 840
tttaaantgg gtggggaaaa aaaaatcaaa agactaatta atttcatgga ccgtggnaan 900
ttatcn 906

<210> 1773
<211> 734
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(734)
<223> n = A,T,C or G

<400> 1773
acnttntcga attcccacga gagcacaagt agatgtaaaa aanaaanaaa aacccccccc 60
cngnggaaag accctnttta ggtttngttt ngtttttttt tgggtttngt tttnggtttt 120
tttnnctntn ggnaaacccn ngccaanggg ccanancncc tatccngatt ttttnntnag 180
ggcccntttc nnaanaatng ggtcnaccng gaaangnaaa agggggggggg ggggggnaaa 240
aaaaaaaanc tnnggcnttg gnggntttaa aaaantttan nnccattngt tncaaananc 300
ncaannttna aaancaaaaa antcncnccc caancaaccc aaattttaan ngnncaaatt 360
nggcncccna aaaaaacccc cctnncntnn nttntttngg ggcantnttn ancccccccа 420
aaaaattgnc ccaaaggggt ttaaaaaant aattttccnt taaaggtaac cccttccccc 480
caaaacagca annttnnggn nctttttttgg atggcaaccn ggatanttaa ttgttcaacc 540
antttganaa annanccntt tggaacctga aaaaaaaaaa aaaaaaaacc cccccccttt 600
aaaacttntg ggggggggntt ttnccggaac cccacnctnn aanaaaannt ttgggngggt 660
tggggnncnc cccnntntta naantnnnnn nnnnnnnnnn nnnnnnntnn nnnntncnnn 720
nnnntctnnn nntc 734

<210> 1774
<211> 536
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(536)
<223> n = A,T,C or G

<400> 1774
gnnattanat caactacttg ttctttttgc aggatcccat cgattcgaat tcggcacgag 60
gtcctcaggg aaaatggaaa atacattccc aaacagtctt tcttgacacg aaaatattat 120
ttcaacaacc cagaggatgg atttttcaaa aaaactaaac ggaaggtagt gccaccttct 180
cctatgactg atcctactat gttgacagac atgatgaaag ggaatgtaac aaatgtcctc 240
cctatgattc ttattggtgg atggatcaac atgacattct caggctttgt cacaaccaag 300
gtcccatttc cactgaccct ccgttttaag cctatgttac agcaaggaat cgagctactc 360
acattagatg catcctgggt gagttctgca tcctggtact tcctcaatgt atttgggctt 420
cggagcattt actctctgat tctgggccaa gataatgccg ctgaccaatc acgaatgatg 480
caggagcaga tgacgggagc agccatggcc atgcccgcag accanccaaa aaaaaa 536

<210> 1775
<211> 1014
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1014)
<223> n = A,T,C or G

<400> 1775
nntacgatcc ctattntnga aaatataatt tgacaaantc cttncncttc ttnnanacta 60
nngngaaggg tnantgangg nnttccnact atagtgtgga gntcctcncc ctgaggtggg 120
tacagaaatc aattgccncc tnatgggggt tnanaataaa aatagtggng cacaagcnca 180
tnggtnncca aancccttcc tanaancaca anncanncga cnngccacac cccgatncnt 240
tncntcacac nnatnnttcc ntaanancan annntcnann ncgtcanctc tatctaaaac 300
catnctntta acatcttnct naccnantnn tcactnaaaa aanccaccac gnanncacgt 360
ttanaacccc atctnaantg nactctaaca ccaatnaata ntaacaannn tatnntttcn 420
tctcnctana naatatncca tcaattctcn nnaactncct cantnnacat actantctnn 480
agacnttata cctatttntc tatacttncc cactntanct tatcanacnc accattctnc 540
tcntctcctt acnnntatat atcaananca catcttacnn tcatcacggc actanatanc 600
cacntcacna cctctcacca tancgacnta tccnattaan taacactccg agtncaacat 660
nccgcnaata aaagaatacc ntctgaggta tcttattana tatttatcac atnnctacgc 720
ctatccnacn ntcgnagcat acccccttnta tnntngnntc actnctataa tnccatcatc 780
taaacncnnn atcttacact cccncaaacn aatcaactct atntnannna taatatnana 840
cacacnnnna ctctttttcc tncntaattc tnaacatcnn ctnacatgnt acnnctaaan 900
actctnaact anagacccct ntactactnc acctctncan tntacacaac ctatctntac 960
tcncagctca cctgnnataa cnttactttc tnccatcttc ttataactct tncg 1014

<210> 1776
<211> 716
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(716)
<223> n = A,T,C or G

<400> 1776
agttccttgg ctgttattac gctcactatt atcaacagca agcacagcca ccaccagcag 60
cccctgcagg tgcaccaact acaactcaaa ctaatggaca aggagatcag cagaatccag 120
ccccagctgg acaggttgat tataccaagg cttgggaaga gtactacaag aaaatgggtc 180
aggcagttcc tgctccgact ggggctcctc caggtggtca gccagattat agtgcagcct 240

gggctgagta ttatagacaa caagcagcct attatgccca gacaagtccc cagggaatgc 300
cacagcatcc tccagcacct cagggccaat aataagaagt ggacaataca gtatttgctt 360
cattgtgtgg gggaaaaaaa cctttgttaa atatatggat gcagacgact tgatgaagat 420
cttaattttg tttttggttt aaaatagtgt ttccttttt ttttttttg aaatggccaa 480
annttttatc cttcntgatg gggggttant ttttntgtga aaaaatnaaa atggnttnnt 540
tttnanattt aaggggaaag gccncntccc ccaaaggntt tccaattntg gggtggagcc 600
ttnggaaaaa aangcctttt ncaaggnacc ttccccttn aaaancctgt tttgggcttt 660
ccaanaangg attgnaacct caaananngn nnnnnnanan ncntttncct ttcccn 716

<210> 1777
<211> 928
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(928)
<223> n = A,T,C or G

<400> 1777
cnnaagactn tttggaaaac ccgtnctttt tgcaggatcc catcgantcg aaanttggac 60
cgggggaagg nntacnggnn cccagaaant ttttttgggg ggnncngggg ccnngnaggg 120
gggggtgntn nnttnnaaan ttnnaaaatt ttccantntn gggatgggga nntngggatt 180
nggttttntc ctngggcnng gccttaagga aaangtggaa aatggcctta aanantccnn 240
ggccttctta anaggagcnt ttaatttnac agnggcaagg ggctggtnnt gganaacngg 300
ttgnggctnt gaattnttta atatacccac cnnnncnttn ggcttacact gnacaatngg 360
agatgttggt acagggtccc tgagatgcaa tcaagaatta agccgtagcc naggcatttg 420
gnccaatggg gnaaaggttc aaaaatnaaa ttttatttt ttttttccc ctttttnncc 480
ccccttaacc ccccaattcc ccccaggncc naaagnaaan ttttcntttt ttttcnaaag 540
gaaaaatttc ggggccaatt ccnantttcc nttttaaaaaa ccnaaaccaa ntttcntttt 600
naaaancccc cccccaaggg cttnggggggg ggttcccccc ccaatttttt tnaaaataag 660
ggaaangggt ccaaattngg ggntttcaaa gggtctttaa aaccgggggg gccccgggggg 720
naggggccc tgggtttttg gangggggna aaaaacaant ttaggttttt gggaaaaaaa 780
taccccggg ttnccccttt taattnccac tgggnccttg ggttctttcc aacgtngggg 840
aaatggtgcc tttgggggggn ccccttcann aaaagaaaag tctgggtngg gcttcctaaa 900
ggggttgggg ggnggggggga nacaacct 928

<210> 1778
<211> 1173
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1173)
<223> n = A,T,C or G

<400> 1778
cgaatccttt gcaactactt gttcttttttg caggatcccn ncnnccngag gcannnnagg 60
nggagnngac nagngncang acgggnnttn taattgatan aanaagcccc cgccncacgg 120
gtntnnntnn gggccggggc cnannggggcn atnngccaaa aanaataact ccaantnccn 180
gnnagaacat gacccggacc atcnaangga aaatgaaacn acacaaancc agactcnacc 240
ntggcncanc cctcnnagaa gccccaagan tcnngnnccn ngcnncggga nccgagntta 300
cnnnngaang cgggnnaacn ngngcccgna gccccaaggc ntgncacgtg gcannnggct 360
ncnnnncaaa caaaaancaa cccgnaagnn ctccnanann nncncccang annncnaaan 420
ccaagntnct nncncaaccc ttanagcccc ccnncaaagg ncacgcactg gngggaactc 480
caaggggncg anggnngnct cttncgacac ccnanngcac ccnacncnag nannancncg 540
aggnctatcn cancnttggg gnnanaaggn agcacggcaa cccnctagna naaaangnan 600

ncanactnnc anannccnng ggtatncacn ccaaanactc acccgagacc ccntcnagaa 660
gcccaatncc ctaacacant gggngcanac cnaaccnncg tacaacagcn cnacgnaggg 720
gctcacggga nntntnggaa nnganaggca cagngacncg cncagtntgg ngcccacanc 780
cngtaaaccn tntanngntg gngaggcnnc gcgcatacng gananccgac ttncncacca 840
ctnnnctntc ggaatcgnaa cgccctanca cgncaaccnn ggcnacnnnc nangggaaan 900
anagngggan ncacccacca ccgggganna cnnacagntt atcgcgcncg cnacattggg 960
nnaggngnnt cacnataang cccaccctcn cncnatactc acagtncaat ccntacacag 1020
gncanngcan aagnggnaac ngaaatgcga cncagnccga nncaaaangg gggggggca 1080
acnggcacan aaagcggnga nacccantaa ngnggnnccn ncaccncgng gataataata 1140
ctntngnagg tacacacnna aatncggnaa ggn 1173

<210> 1779
<211> 728
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(728)
<223> n = A,T,C or G

<400> 1779
agnttttcna ttcgcacgan ataaaatnna tgnggngngg anaaaattnt aattttgaaa 60
aaatntagga aagttcctac caaatataca tgtataaagt ttattaaaag tcataatgac 120
ccaggaatag ctaatgacac agaagtagat caaaatagaa cacaatagag aacttcaaaa 180
taaaacaggt gtgagaattg tgtgtgtgaa aaagctgggt tcaaataagt tggtttgtta 240
gacattcata tgcctactca tcagccattt cgttctccct tccttgctga caaagcccca 300
ttttttttt ctttttttt ggcctaaaac tctgtatggc tgccttgtgc tatanaatag 360
ggtgcttccc tagcctanag agggtgagtg ttgattagat tctgtgccaa tcatggtaat 420
tggcttactt gatcatttga tggaatctag gctaacgaga caaaggaagt ctgaaggctt 480
tgaataanaa attttctgtg ctcttaacaa ttgatacaag ttagggattt gccagcatcc 540
ctcttctgct tctcagtgaa natatgtgat atggatgttt gaagctaatc tgcacagcct 600
tctgatggcc atgaaaggga caagtntgga gatgaaaagc tntcacactg ganaatagng 660
ggatgtaaaa agaaaacncc tgaattgggc ctctgaatta accaatccca ggaactggtt 720
tcctttgg 728

<210> 1780
<211> 685
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(685)
<223> n = A,T,C or G

<400> 1780
nnnactatac gatncctatt ntanaaatag gaccagtagc ataggtgagc cctgagcact 60
aaaaggaggg gtccctgaag ctttcccact atagtgtgga gttctgtccc tgaggtgggt 120
acagcagcct tggttcctct gggggttgag aataagaata gtggggaggg aaaaactcct 180
ccttgaagat ttcctgtctc agagtcccag agaggtagaa aggaggaatt tctgctggac 240
tttatctggg cagaggaagg atggaatgaa ggtagaaaag gcagaattac agctgagcgg 300
ggacaacaaa gagttcttct ctgggaaaag ttttgtctta gagcaaggat ggaaaatggg 360
gacaacaaag gaaaagcaaa gtgtgaccct tgggtttgga cagcccagag gcccagctcc 420
ccagtataag ccatacaggc cagggaccca caggagagtg gattagagca caagtctggc 480
ctcactgagt ggacaaganc tgatgggcct catcanggtg acattcaccc canggcacct 540
gccactcttg gccctcagca ttattccatt tggaatgtga atgtggtggc aaantgggca 600
naagaccccc ctgggaaccc tttttcctca ntagtgggga gactanccct aggtcccact 660

tggttttata tctgaccana cagat 685

<210> 1781
<211> 1230
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1230)
<223> n = A,T,C or G

<400> 1781
ccncccccnnn nnnnnnntnn nnnnnnnnnn nnnnnnnnng nnncnnnnnn nncnnnnnnn 60
nnnnnntnnn nnnnnnnnca nnnncnngnn gnnnnnnnnc nnnnnnnnnn nnnnnganag 120
gngnnngnnn nnnnncnnnt ngggannnnc antntntgan gtnntntann gnnntcntnn 180
nnnnnnnnna nnnnnnncnc gccgccncnc nnannanntn ncccccnctc ntannnnnnn 240
nnnnnnnnnn nnnnangnta ncgaaantcn gcacggnggt attcatcttc ttgttntnct 300
gccggtcnca aggctaaccc ccagnatngt agntggcctt aatatcaggt nngacngtgt 360
gaaatgttnt anggggtttt tcaagaggaa aagttntagg cttaaaactg actggtaaaa 420
anagaatatt tctttgtatt tgatttttca gttatatgct ngtnccagcc agttatcctt 480
cngtnaggtg ntncggtttg taanaactgc ncacatttgg nnanatntcg ncgccgcctt 540
catttgncan gaacnnannn ntcnctttgg gttnccccaa tccccnaact tgttnaaacc 600
atttggncat tanaaancat gtcctggttn taaccctgan tttttacntn nnccggcnnn 660
aaccaaacnt ntattcnacn tggnangtcn nctttaganc ttcttctncc cgcantgaaa 720
anaaccgggn gnntggggtn tgananctat atagggggtt cnttcntggc cccttcaccg 780
ggnggtgaan ctcgancttg aaagagcccc cccncatata nctntncnnn aggngggggn 840
gnttncgncn ntgaaaacta tnccacntcc tnttgnngnn gtngctngnn ntnnacnana 900
tcgnngnntt gngnnatgcg nnacanccat ngaacccncn caacnnctcn gtatttatan 960
ctcntncacn ngntctancc tcncgnctcn ttnctcccag gangnaantc tncagtanan 1020
aanntccttn gntagnanca nnngnnatct cnggtancct ancnnggggn gggaagacnt 1080
ctttgntctg ctnattanac aaaanatata nacacngccg cgnttcttnc taaaantctn 1140
tagcancgag gctccctntc aantanaggc gtcacctcnt cnaactatac nangggngcn 1200
actntcccct gncgcangca tctntggcca 1230

<210> 1782
<211> 1450
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1450)
<223> n = A,T,C or G

<400> 1782
tnnttgntan nnnccncttn ngttnntntt nntngcttna nnncnttcnc ncntcntnnt 60
tttnntnnnn ntnnnntntn nnnnnttcnn ttntacntna nntntngntc ttgntntnnn 120
nntangngag tggnntntcn tctcccnttt ngcatatcta tntattctnt nntnnntnng 180
cccncccccc ccnttnnncn ccccccctnt tctcntnnnn nnnnnncann ntgaacagnt 240
tgnggnaggg ggctttcttt ntctccnttn ggnccccccc ttttgttttt tnttcctann 300
tnntntanat nnctggtatg ttttncgggg nctcntcntt ttctantnnn gggggnnttt 360
tttaccttta ttcttccncc cttanctntc nnantctccn ntcnnttnnc actttctntc 420
tccatntant cttttgtnnt ntttnttttn ctcgacattc ttcttttcnc tatatnntnt 480
cttntctntn ttctctatta ttntcntnnt anttntcntc atattttatc tncnttantt 540
actctcgagt ctntnactnt ctttcttgtt ctncnnttcc atnttcctat cctttanttn 600
ncatnnncnt tacttntntt nnttctntgn ttncncttnn tnctctcttt tancntncnc 660
ttntnnttna tattttcnan ctaantnact ttncatncng tttattncnn cnactntgtn 720

ttttnttcct ttnttcntct ccnttctntc nccttntccn tancgntcgt cttctntntc 780
ttntcctnnn cttnnatcnt ctctatatct ngtttattct ctntcnccgt cattagttct 840
ctctnttctc tcttnnntcc ntngtttctn tatatantct ntcctntntn tactntacnn 900
atntcatctt tcntncactt tctcgctctt cacanntntt anacngttct ntntttctcn 960
ataccntnnt cntcgtnttt tctantcccn tctntatanc ntctgttcan ctntattgta 1020
tctcttattt ttagctcctt ttntnctnat nctctccang tntnntctat ctanncnctc 1080
cnctcacntn nctttntcat nttctccctc tntctatnta tntcactata tttgtnntac 1140
gcttctttnt tcttcctaca ctcnngtttt tncntcttta cnctcntctt cnttnttgct 1200
tctctcttct tcnatnctcc nctttcgcgc tctcntncct nngatcattc tcntgctcct 1260
cntatatctn ttctcactat ctccatntta cttgtctctc gcntgtntca gtcttcactn 1320
cnntactctt nnattnctcc acttttattn tcgcatctcc tatntatctc gctnntantc 1380
tctntctttt natnnatctc ttcttttatn tncgtagtct ctcntntcnn ttctttntac 1440
ttctcctncn 1450

<210> 1783
<211> 700
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

<400> 1783
aaatcgataa ggaaaancgt gaagtcgata gaaatgaagg cctgaaattt gcacgaaagc 60
attccatgtt atttatagag gcaagtgcaa aaacctgtga tggtgtacaa tgtgcctttg 120
aagaacttgt tgaaaagatc attcagaccc ctggactgtg ggaaagtgag aaccagaata 180
aaggagtcaa actgtcacac agggaagaag gccaaggagg aggagcctgt ggtggttatt 240
gctctgtgtt ataaactctt taactgctat tttagggacc ttgcagtttg cacataattg 300
ttttatatca tagcagtaaa tatttgcaag aaatcccact catcgacccc gggtaaaatg 360
ttatggtaag catgcacagt ttgcagtcta cagtttttt atgtagcaca aaataggtgt 420
acctttataa gtacattcaa ttttatgatt tacatttatc atgtaatttt taaaaaaatc 480
catctatcta ggatatgttg atacaaagtc tgcttttgct attcttttg cttaaatact 540
cctatcattt tctgaattac ttggtattta aaactcctag cccacgggga agaatagang 600
tatcatcaaa cgtggcaaat tttctttcag gaataataaa gagcatgatt ccccaaaaaa 660
aaaaaaaaaa aatccgnccc ttaaaactnt agggngcgtt 700

<210> 1784
<211> 1144
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1144)
<223> n = A,T,C or G

<400> 1784
gagnnacant gnggnactnn tcnntttcnt tttttgccaa aaggaccagt atcataggtg 60
tntcttgagn gngaaaanga gctatttcct gggggnttct tcnctataca gcggagntct 120
gtccctgagg aggctacaat anncnaggtc nctcnnctnt gcaagaaaat aatactngtg 180
gganccgata nncttnnnnc tngnaatgtc ctgtctcaat agtcccanag aggtaaaaaa 240
aggangaatt tctnntnnac tttatctggn catnngaang anngnaatna atncanaaaa 300
ntgcnanann ttaccntctt gaacngggng ancanccaaa atantntatt tnttactcgg 360
ngaataacnn tttatngnct cttanaagcc anatngnttn nggnaatatt gnggggtnac 420
cttnccacan nggnntaaat tcacngngtn gnncnaancc ccttnggnat ctttnncctc 480
nacnnnncgc ttnggncacc nantatnntc cacacttaat tcttggtaan nncttnttcc 540

ggcagnntct atacgtnggc tntntncntt cantcgcgat anntnncact ttntttnact 600
tctcnnaatn ntcanactan cncnctaata cttttaacga gnnganacac taantgtntt 660
tatcgaatnt ntnaaatacg tannatcttt ntctttatca ctcatatgnn tattttntac 720
ccccngtntn atntntcntn cctntncncc ccccgtatga ntcaccctnn atctattcgg 780
caactttaca tcnanangtn tgntgtccct nctctatnta anaaacgnnc tcactacttc 840
atcccaanta nnnncattcc accctcttag tnaaanntnt nttngataaa atatgcttgn 900
ggtgncgggt ncacaaaaaa natgtttngn ggtccnaaaa atattantaa nccccccccc 960
naccnccngt gtgtnttnaa ncactntntt cattttctgc ncccatntct cnnctcgtat 1020
nnatcctatc ngcggnncta ntatcttttt agtaggtanc anctnntatg gtctntctct 1080
ngantcactc antgggtgac tancnntaat ttaattcnnn cgngcncntc tcccnngtnt 1140
nnnc 1144

<210> 1785
<211> 702
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(702)
<223> n = A,T,C or G

<400> 1785
atgcatctga gaatgatgag cgcttatcta acccccagat tgagtggcag aatagcacaa 60
ttgacagtga ggatggggaa cagtttgaca acatgactga tggagtagct gagcccatgc 120
atggcagctt agccggagtt aaactgagca gccaacaggc ctaagtgcca ggttccctgg 180
cgttggtgac atgctgcagc ctggaactct gatctccagt gtgactgcaa agctgtcttc 240
tcactggtac tgccttgtga gtactggttg gactgtgggg catgtggccg ctgcagttcc 300
agtggttatt tctaagtcta tgacaggaca ggctgttctt gcttcagaac cttctctgac 360
agacacggta actaaatgtg aaaaaccaat aagctggtga ctcatgaata cacacgagga 420
aaagcagagg tttatttttat ctgccttttc aacatttctt tccctctgtg aaatgattgg 480
tcagatgtct ttgagaagtg ttaaactaat tcacatggta agtgtagggc caacatacaa 540
agctacccag tctaatgtgt atagtagact ttggggaaaa gcgaattttt ttcatgtatt 600
cattctgaat agttgaaatg tatatttgta cagtctttta gacctattca agtgatgctc 660
atgatcctgt actggngtgc ccatcataaa ttctttttttt ta 702

<210> 1786
<211> 723
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(723)
<223> n = A,T,C or G

<400> 1786
annttttcgca ttttttgcct ttacaaaaag gcattttgtt atactacagt gtaaacctca 60
tttttttcac tccaaaaggt agcagcccct cttcttccca ccctggacct gcctttcact 120
ccctgggcac agagcgcatg gtaccattga tgtttggttt attccaggat ccaaggagct 180
ggttctgctg gttggaccaa acctcgtgag ccagccaccc ctgacccaaa tgaggagagc 240
tctgattctc ccatccggga gcagtgatgt caaacttctg ctgctgggga aatctcatca 300
gcagggagcc tgtggaaaag ggcatgtcag tgaaatctgg gaatggctgg attcggaaac 360
atctgcccat gtgtattgat ggcagagctg ttgcccacaa gcgcctttta tttagggtaa 420
aattaacaaa tccattctat tcctctgacc catgcttagt acatatgacc tttaaccctt 480
acatttatat gattctgggg ttgcttcaaa agtgttattt catgaatcat tcatatgatt 540
tgatccccca ngattctatt ttggttaatg ggcttttcta ctaaaagcat aaaatactga 600
ggctgattta ntcanggcaa aacatttact ttacatatcg gtttcaatac ttgctggtca 660

tggtacacaa gctttttacn ggtttttttgt acaatnaata ttttgagtna aaaatgggta 720
cat 723

<210> 1787
<211> 763
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(763)
<223> n = A,T,C or G

<400> 1787
nngantcnnn ncgagaaaag tctcccacct tttctcctnn aactnctctc ctttctntcc 60
ataaaaagaa aaggaaagga acaaaagaaa aacattcagt ttttcttttt ctgaaaaagg 120
taagtccttt cctgaagtca tcaaatgaaa cattatctgg aaattagttt ctaatgttgt 180
atatgaagaa atacttanat ataagttcct gcagtattta ttagatagtt gtacctgtaa 240
actcacctcc ctagtanata agagtttcag gttaaatact ggaacatata taggcagtca 300
aaaatactct ttaaatgtca ttcacctatt taaagccatg ttttagcact ttttangcca 360
aagaangtct gatagtgcct gtttttatgt tctgtactct cacaaactnt gttactcaaa 420
attatngcat ggcangagag attggattat ttatttccta tatctttata aagtaaaaaa 480
atctttctaa acaacaaatc ctaacattat tactggattg tttcctaatt tatcctccct 540
nagttgaatg ntaacaaagc ttttccagct gaatggaatg caccttanct gataaaccag 600
aatttggncc tttnttttcc ctnccttttn tttttgagac aggttctcac tctntnaccc 660
gaaggtnnga gtgcannggt tttgatcata accttgactg nagccttcaa ccttntgggg 720
ctcaaatgga tcctttcact taagcctnct ggngtangtt ggg 763

<210> 1788
<211> 1024
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1024)
<223> n = A,T,C or G

<400> 1788
gnttaatacn anatactcan cttgctgcct gcaggtccca tctntcgaat tcnggcgana 60
ngntgggaat aaantgcctt gnggattnnn ctccattgnc nntttggcac cnaaangttt 120
ttattcnaaa nnaaggaant ttagttcttg tnaatncaag cttgnaaana ggcccncact 180
ggggtggncc aattgcattt aacttgcact gaatccttnt tccancttttt gcnttgnggc 240
tgcttngatn antgagggan ttcaantaat ttgangcnct aatggtattt ttnaaattng 300
gacnttttttt ggancccctа agtaatggat tgaataatcn tngagcaagg gggaacaatt 360
gccttgnttt atnnngtggg ggaacttcaa nggnnnnnnc ccccaacttg ggacctcaat 420
ttttcaacta atgttttnca ataannttttt gaaaaaaaaa acctgnngcc ntnttttttgg 480
ngggcaaggg aaaggnnctt ttctnttnng gcttggngga aatcaaggca attccttggg 540
tnccctgggg aaagccttgg tcaaaaacan ttaaatncgg gaaaaccaat ttttcttttt 600
ccaanaaant nnaaattggn ttgggtaaaa gtttnttttgg gnaaaaaatt tggaatntgg 660
tnccaaanaa aaaaanaggg naagtttcan aataanncat antttcaaac aaggtttttn 720
ttntaaaacn aanaaaaaat nggntnaaaa anaaaatann ctttcanttt tcaaattttt 780
agggaaaacn taaggttccc cngggttcgg ggggttttaa taacctttttt ttgacttggc 840
ttttttaaan ctttagcccc cttttagann anggcccaaa tgccnnggtn ggaagnctnc 900
aaannggggcc cggattattt ttttgnacca antntntgtg nataaaaanc ttggggnaaa 960
aattccctta acntttacnc naaaaatttt ggcttntttt taaaaaaatt ggnaaantnt 1020
gntn 1024

<210> 1789
<211> 700
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

<400> 1789
ttanatacan ctacttgttc tttttgcagt accctngatt cgaattcggc acgagccctt 60
tgagatttct ggctttttgt agggacctca gttccatttt cccaactcat gggttctcaa 120
taccttaact ntctnttatt tgtcaaattc caantcctca aaatcnccca ccattacctg 180
acccnctggn agtcaccaca ccaccttncc cactttccca gggatgctta tgnattagct 240
taaatcctca ccattctgat ttgtaatgcc gnccccaccc ccttttttg acacctggga 300
gttancttnn ctttctggna agatcancnt cacacanacn agcacatttt cttatnatac 360
tttatctaga aaacccatgt gtcantggca gaagcatcct gaattntggt agancattgn 420
ntcgctggac tggaacctcc tgaaacacag cagtgggaat tgcttgtaat ccgctgngtc 480
tatcatcaac aaaagnnaat attgtatttt ttcaggggta atttaacata agaaggttaa 540
catttnccat tcaatttaaa actaaaaaca ngcccgggtg cggtggctca cgcctgtgat 600
cccanccttt gggaggccga ggtgggtgga tcacgangtc aaggagattg agaccattct 660
ggctaacgca gtgaaaaccc gtctntacta aaaaacaaat 700

<210> 1790
<211> 960
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(960)
<223> n = A,T,C or G

<400> 1790
gagcaagaac cctttggaaa accccngnnn nnttanaaan gaaannnncn nnnnnnnaag 60
nnagnnnnng agngtacaac gaanngagan nnaccanntt tttaaagaan gccaaaaccc 120
gcaaacacnn angggggagc anncgaaaaa aaagcaacng aagcnnntaa aggngaccac 180
cacccnngga cccgaancan nanggacggc accgggcgca agcngnncac ccacccctcc 240
ggatggaang cccggaaaaa aganactnnc aaaaangnga cggccgccna aagancctgn 300
gnangggcaa agcccgcaac ccncgacngn caaaaaagaa acccccctgc gcancaaacg 360
aaggaccnac agcccacnnn gcgagacacc ngccacagan gcccagcnnc ccccccnggc 420
ccnacacnaa agaggaancc accgccngga ncccgagcc cacanccggc cntgcgccnn 480
aactcngaan agccaanact ggcacccacc anccacggcn gacaatcgga nannncnanc 540
naaaaacggn aaaacaatcc nnaaagcgaa ccnggggaaa accccaggng cngcacnngc 600
gcngccccaa gnangacngg cnnananccg ccgggnaaaa ccccacngga acacacccac 660
aaaaagggna ccggggaacc cannnaaacc gggnnaacan cggcgtccnn gcccaaaccg 720
ngaacccccc ccccnaaang naanacanca ggggnngcga nnnaagcccn cnccacaccg 780
aaagcnccan ccaccnagac cncanacccc cggnccgccc cncaccaaaa ancacatagg 840
cgggcgcagg ccgnantnna cgcgcaaacn aacgcnagna ccggggannc ngaaaaacaa 900
accggggacc gancccncgg gcgnnnaaan cccccnnnnc nagnagncgc nnccccccna 960

<210> 1791
<211> 743
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (1)...(743)
<223> n = A,T,C or G

<400> 1791
ncngctngct gcctgcaggt cgactctnna ngatccnggg nnccgagctc gaattcgccc 60
tatagtgagt cgtattacaa ttcactggcc cgtcgtttta caacgtcgtg actgggaaaa 120
ccctggcgtt acccaactta atcgccttgc agcacatccc cctttcgcca gctggcgtaa 180
tagcgaagag gcccgcaccg atcgcccttc ccaacagttg cgcagcctga atggcgaatg 240
gacgcccccc gtagcggcgc attaagccgc ggcgggtgtg gtggttacgc ccagcgtgac 300
cgctacactt gccagcgccc tagcgcccgc tcctttcgct ttcttccttc ctttctcgcc 360
acgttcgccg gctttccccg tcaagctcta aatcgggggc tccctttagg gttccgattt 420
aatgctttac ggcacctcga cccaaaaaac ttgattaggg tgatggttca cgtagtgggc 480
catcgcctga tagacgggtt ttcgcctttg acgttggagt cccgttcttt aataagtgga 540
ctcttgttca aactggaaca acactcaacc tatctcggct atcttttgat tataagggat 600
tttgccgant tcggctatgg gtnaaaaaag actgattaac aaaaattaac gcgaatttaa 660
caaaaattaa cgcttacaat tctgagccgn atttctccta ccattggcgg atttacccga 720
atgggcntct agacaattgt tgn 743

<210> 1792
<211> 921
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(921)
<223> n = A,T,C or G

<400> 1792
gncngaccct ntgcaaacna ctcngngctn tttgcgggng gnancccaa cngaacccgc 60
cttnaagngg nggctnctnc caannnntaa cccgggaana annttttttt ttnacangan 120
cgaanccaan ggnnaannng ngngaaagnn tnantgggaa aagnannnta aaancaataa 180
cnntttaaat angnntgnaa aaaaaaantg gggnggacaa attnttaagg ncaaaantnt 240
gggcccaana anttaancaa antggnaaat tntcctggng gtnggggaan tnncctctta 300
nggaaatnnc gcccaaggnt tcctaacaaa cggngccaag nnaaggggcg ggcnggnagg 360
ctncatgggg gacatggggg gacntctggc tcaagnctgn ggacccgnaa gggaagatna 420
ggatgntggt cnggggggcan ntaattnnnc nnnncggttt aatataattc aactnggngg 480
gaatacctaa tgccaatggn aaaataagaa ctaatttttt anaaaacttt tacatgcttg 540
ggttaaaatt cagaaaggga aaataganca aagggaaata taaaatattt ttcttnnaaa 600
aacttaataa aaatgcgggn tgacaaaana ancattttca tcttggcagn aanaaagttc 660
tcaagggacc taattatggg gggggatact ttttngaaaa agaaaaangc tggaaaaatn 720
aataaaangc tangaatgtt tctggcccat tatgaaaaga angaaaataa aaggtnttca 780
aaaaataatg aaacantttt cccgtgcnna nnnaaaaagn aaanttanna angaaaactc 840
nnggccntnt aaaaacaaan angggggggc ggtataaacg gtagatccca gaaaaggana 900
aaagaaacnc atgggaanga n 921

<210> 1793
<211> 1127
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1127)
<223> n = A,T,C or G

<400> 1793

tanttccttt ggaaacaata tgcaatgtga agcggtcgcn ctgtgagttt agtaaggctg 60
tgtacactnn caccttttgnn ngcatgcatg tgcttgtgtg tgtgtggggg nnttttntta 120
ggcatnannn acnnctcgcc ctccttgctc tagtcctggg atgtggcatg cnagcagcgg 180
nnggcctntt ttcagatcat ggcatncaan agagcnncca nacatgtctn ttnncatnnt 240
aanaaanana atcctnttnt aactgcaatn nacttnaang tanctcagan nttatnctct 300
aactanncca cntnaaatca tnnttcatgn acntntncnn attaaacaaa aaacantttg 360
taccnaattn ncatcnncac tnaancnnan ncttcnncta natctcatgn cttaaantan 420
tattaatacn acntcnagtc tatntgnacn aaactcntat ncntccacct antnnnncta 480
gattaannan ntngctaatc acttantcan tgacataatn ttnttaanat atcnatgnct 540
atnatannca tanaatnaca attgctcnna cannncncac atcannncac tntanatatn 600
gatacgactn acacanannt agtncatncg acntttacnt cgttacctat cagancncna 660
tatactacac cctacgaatc ttnatntatn tgnatatcta ttanaatata ctnggangtc 720
aagtactctc atgantcgag cttantacat aatttctcat accanaaggt ancatacatc 780
nttttcaant acnccatata tttacatanc ncntacanna cttataccnc gtaagcatna 840
atattactgn ntaccatatn ncatatatta ntcgacgatc nngnncactn cntcaatgnn 900
tctacatctn nctctcatct aannnanctc atnnanctca acatncgatg ntatnatnnt 960
atacnnanan acctnttcnt cntatngtna cngtcctnac tattacttct tacannatan 1020
antattatat nnctactnca tcangtatct cttnttcnta anatntantn antatnanta 1080
nctanatcnn ntagnnacac tcgnttgcat ctngntctgc antatcg 1127

<210> 1794
<211> 791
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(791)
<223> n = A,T,C or G

<400> 1794
agntacccgt agctcgagtt ngctntctga tnngtgggcn cccnngcatg ngcacatgna 60
anctagggaa agaatnnanc ttgagatcgt caaagtgagg ggaagagggg ggtaagcaaa 120
ggagaaatgt tatatggggt tcggaggttt tgtgtttgta aatctggagt gatgggcatg 180
ttcaaatgct tctgggaaag gagctaatag gagagaaact tagcccttcg aaaaacagga 240
agggatggat cctaggggag aggaggaagg attggcttta gaggaaagat gtcctttacn 300
tgaggaaaag gaagaaaagg tgggtttaga tctaaatctg taggtttgct gttaggaaat 360
taaggacttt tcacctttat ctctgaaatt tctctggagt tagcaaggca aggtcataca 420
cctgaataan gagggatgag gcattgtnat atttgcanac atacaggtnt gtnattnctt 480
tatgggagga aaaggggaga agccactttt tgtcaaaccg gccctgtggg cttttgaaag 540
ccccttttgg cctaccaant ccattgaagg tgctcanaag gatganaaaa gcttcaaggg 600
taanaagcan ttnttccaag cctgcgncnt tnaaaaanaa gtgcnaatac nanaaccagt 660
gggaaaattg ggnaaatttc ccattcnttt ggaatcntct ttagaaaagt taccttnaaa 720
aaccttccca tnccctngaa nangggacta ncaaaantta aaattttant tangnggggg 780
accnctttte t 791

<210> 1795
<211> 715
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(715)
<223> n = A,T,C or G

<400> 1795
tacaagcttt nattcttttt gcaggatccc atcgattcga attcggcacg aggtgtccca 60

09243502 - 05-12-09

agtgtccgga gcaggcggca gaggcctcag tgcggcaaac acagccccag agcctgtgtg 120
gcaccagcag catcttagag ccccaggtat atgctgagat cttatctcac gctgtcctcc 180
agtgtctggg gggcccaaat gatggcacag gggcaggtgg gctggagggg cgcagatgcc 240
tgtgttcang gagggtggcc accatgggcc gaggtctcac ccaagacccc ttgctctgct 300
cctcaacctt gcagtcacgg cagcactatg gtggactgcc atggccgtgt gactttgggg 360
gcaagtggga gggcgccctg aataatgatt gcaaggacaa cangcaaaag ctaccctana 420
ncangacaca nggtgtggta cttgacaacc ctantgtcac ctcaaatcca tgtcccacac 480
ttttgggcat gggtgggact tgtgaacctt accttgtcag gcggacaatg gcccaagaac 540
cattgangac agttgtgtgc cacttggaaa aanaaacttt tttgnaaaaa nccttaaatt 600
aaggtagaan aaagccaaaa aaatcttntt ggnccgtaaa acccgggctt ttnttaattt 660
attcggccaa cnttnttgng gattgaacct tttgattnaa accccnggcn ttgcn 715

<210> 1796
<211> 1429
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1429)
<223> n = A,T,C or G

<400> 1796
nnncgnnnnn gcgccncanc tnnncgnacn ctnccngtcc acnctagggg gggnnggcnn 60
tatntgaacc ccccccccct ccccccccnc ctnnttaagn ncntcgantc gnacgggttn 120
ttatcctncg nccccgggag gggtactana cccnggcccc cccggncgtt ngnggncttg 180
ggcctcnagg gnggnggggg catttgntaa gatnaccanc gntcacntct agntctaagn 240
nnggnantna tacntntaca ncanctagcn gtggncccag natngnctca agcaannnca 300
cnctggnanc cgcaccnncc gcgcccgcgc cnanantcnn nnaangacta tattnntntn 360
nctagccncc nttacnttnt nnctcaacnn ggaangnagn cngatncgaa caccnnggnn 420
ctccaacnaa acnngnttcc acgacaagta tatncgcgcn gcgnangata ggnngnaaag 480
cntcnntngc gnnatnntct tccaggcccc gnctggnang tntgtcngtg cccaaggaca 540
tgacntgggn gacaggntcn ntccggcata nanccccng attnnccccn cacaacnggg 600
gggccngnca ngggggcana ggncncccaa tgtaaangcn cccnctcccc aacgctntgg 660
gagaaanaag gttctgggtc acaantccta ttntnnggga canaagnggg ggcaacncng 720
gggcnnaact annctggggg cgcnaancga nngtggggng ccgcccacca nagngcgacn 780
agggggggaa ncagntncgn gngncccnan ancatgcctn caaaggaccg cgtntnnggt 840
cnntcgtnga annanccgtc gtgtncaann gcgtanggta ntcacgttac cgtcgtactg 900
ctctncgatc nnngcaccgn anccntgcgc cannaacgca cgntngncnc cgcnangnng 960
tgnnnncgat ncntacncac gtnacnnncc gcgtacntnc cncacgncac gacctcgttc 1020
ngtgcgggaa cgcatcncag gncaccactc tcncctcgg catcagctnc acngntnnca 1080
aannaccgac cgntcacgcc ggctctntcc acatnnatct nnaggctnnt gtgacangtn 1140
tnnnctgcnt nccncacgtn cgntatctan cgcnngtaca cccacnncnn actgcgagcg 1200
tcnnccntnt ntnncgnnng cnncgctnan gtgtcgctcg ctacnccatc tncngntcnc 1260
nnnnancggc atcttaancc cntctcacag tgncttcnnn ganacgcgnn ccctagcgct 1320
gcncgccgng tncgatcgng tcctacngnc gagactcntg cncggnngct ncnnntgtaa 1380
gtcatnaaca cacnncnacg cnctgtgcnt ntgtnacgcn ncnntnncg 1429

<210> 1797
<211> 850
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(850)
<223> n = A,T,C or G

<400> 1797
canctnnnnt ncannctggn taattgncnc anactgtcan tatganatna tcantgttgc 60
nctnngggaa nnggtgggct gnttcatatg gacnnccnnt ncattgnaac gnngannatt 120
ntgaccagnt cccncntnnn anttncttnn tgganttgcn caantcaatt tnnnctttcn 180
tgcgatncag acttccncca attctattng aatgtnntgt ataancntnc ntcnnntatn 240
angaancnnn ttnngncact nttcattnat aaaacanntn nancatatnn ttaatannac 300
ttatnatgnn atncntatag tttggtgntg tntnnggctn atcancctag gccntttnnc 360
anttntttnt gnnngtagtg ctcacanngn atnngntgga aantntcntn acgctntcna 420
aagancgctc cgnnatngcg tccngnntcn tccnnnttgn tgannacntn ctnnttntnn 480
cctaanannn gccnannnan ttagcnaatn tgcctntata nngaagtggt tatttcntta 540
antataaann ttnntnancg angnttnnan nggntangcc nantnnnccn tnatatnnct 600
ngnnnagnnn gntnnaaacg nacancttnc tcgancatcn tngccctann gnanntgaan 660
ntcctaaagn tggngnngaa nannnntaaa cacctgtntn gnccgcnntt attcnnttca 720
cccctatnan ctanncentt ctntcnatng nctctntnaa ntaaanncaa atanatatnc 780
nntcacncng tnntncnaac cntntagtan agcngtntnt tatntgcnta accnnatnna 840
catcacncng 850

<210> 1798
<211> 770
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(770)
<223> n = A,T,C or G

<400> 1798
cccncnntnt aantccgcnc gaagnagaac angangcacc ctacagggag ctccagtttg 60
aggnncgaca ggcacttcgg ccaantccct gatggctttc gtccattact tcacaaaccg 120
cttccacggc tgctcctcca cacgcaccga gccatgagga gctgcgcctc tgagagcctc 180
ttcctgccct actacccgcc anactcanag gccaggangc catgccctgg ggccacaggg 240
aggtgaggtg ggctggatgc cacacagatg gtctccgtgc tggctcactg aagagctgag 300
cctgtggctg gcctcagaat caggctgggt gcagtggctc acacctgtaa tcccagcatt 360
ttgggaggct gantgagagg atcactttga gctcangagt tcgagaccnn cctggccnac 420
atggcnacac cccatttcta caaaaaattt gtaaaattag ccaggcatgg tggcgcacnc 480
cctgtagtcc cagctgcttg ggaagctgan gngggagaat cactttgagc ccaggagttc 540
caggctgcan tgagccngga tcatgccact gcactccagc ttgtccncan aaagacnact 600
ntnacccccc tttcccccca naaaganatg gcaacaagct tggncanccn tgggngcttg 660
aatgaaacca nnanatgttt cgctttggat tcccaacggc ccttggcacc ccctctacgg 720
aaaatnccan caaannaana aatttttttcc cntttgcctn naattgtgnn 770

<210> 1799
<211> 761
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(761)
<223> n = A,T,C or G

<400> 1799
cccccntcta ttcgcccgag gcgaagcagg cttnttgctc atgtatccaa gttgctgtca 60
cagtgtaaat ttgatctgtt ggaagaactt gtggccaaag aggtgctaca tgcattgaaa 120
gaaaaggtta cttcactacc tgacaaccat aaaaatgccc ttgctgctaa catagatgaa 180
attgtattta catcaacagg agacatctcc atttactatg atgagaaagg aaggaagttt 240
gttaacatcc tgatgtgctt ttggtatcta accagtgcca acatccccag tgaaacttta 300

agaggagcca gtgtattcca ggttaagttg gggaatcaga atgtggaaac taaacaactt 360
cttagtgcan gctatgagtt tcagagggag ttcaccacaa ngagtaaagc ctgactggac 420
cattgcacgg attgaacact caaaaactat tangaataat tttcttggaa aaatcanctt 480
atggacttta accagttgct tgtgaaaaac taaggaagaa aaattttggg gncatttgat 540
ccttcactta atctaaagtc tggggaatta ctttntatat tatttttgaa acacttcttg 600
ccntatttt ngccttnata cnnntcacaa gcattttnca caaaattgnt attcaccctt 660
ntttttaaaa gnnanntcca aaaattttaa aaaaatacca tngcccccgn ttggtnggng 720
ttcatattcc aatnaacatt ttccatgnnt cnntattann a 761

<210> 1800
<211> 758
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(758)
<223> n = A,T,C or G

<400> 1800
nncntccatt cgnacgaggg cgnntgaatg tagtctcacn ctccgagtag ctgcnactac 60
aggcgagngc ctccatgccc agctaatttt ttgtattttt agtggagacg gggtttcacc 120
atgttggcca ggatggtntt gatctcctga ccttgtgatc tgtccaccgt ggcttcccaa 180
ggtgctggga ttgcaggtgt gagccacagc gcccggccaa aaaaaggaat nnttaagagg 240
aaaaagaatg ctaccaacct aaccacattt ctatgactgn ttatattttt ccctgttcca 300
catacntaca tttttacata gnacgntcat tgcagcatga gttacttttc actnaatann 360
ttttaaacat tttccancng ggtgtggtgg ntcatgcctg taatcccnac ncttggagag 420
gccaantnag gcttattggg tgagtcangt gttnnagact agcctagcaa catggcgaaa 480
ctgcancctc tacnnaaaat accaaaaatt anccangtgn gctggtgcnc acctgtattc 540
nggcttctca agaacnctnn tgtgggaccn ntttgtttga acccnacgag gnangaaggt 600
cgccctntnc cccctctnct ccccccnttn cctncnccnt nctnngttct ccacccccnta 660
ccnttanctt taannntnanc tcaanatncc atcctnancc accancccctg tttacntccc 720
tcnattaanc cgnnncnaca ctttccctgc ctctntcn 758

<210> 1801
<211> 735
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(735)
<223> n = A,T,C or G

<400> 1801
acctcgnnaa ttcggcccan aagacacata gtggatctgt atggcgtgtg acatgggccc 60
atcctgaatt tgggcaggtt ttggcttcct gttcttttga ccgaacagct gctgtatggg 120
aagaaatagt aggagaatca aatgataaac tgcgaggaca gagccactgg gttaaaagga 180
caactctggt ggatagcaga acatctgtta ctgatgtgaa gtttgctccc aagcacatgg 240
gtcttatgtt agcaacctgt tccgcagatg gtatagtaag aatctatgag gcaccanatg 300
ttatgaatct cagccagtgg tctttgcagc atgagatctc atgtaagcta agctgtagtt 360
gtatttcttg gaacccttca agctctcgtg ctcattcccc atgatcgccg naggaagtga 420
tgacagtagc cccaacgcaa tggccaaggt tcagattttt gaatatantg aaaacnccng 480
gaaatatgcc aaagctgaaa cttttatgac agtcactgat cctgtcatga tattgcattc 540
cctccaaatt tgggganganc ttttccatat tnttancaat ancgaccaaa gatgtgagaa 600
attttacatt aaaaccctgt naangnaaag aactgacttt cctntgggtg ggccaaccaa 660
agtttgaaat ncntatngtg gctcantncg ataattatta attcccaagn cngggnaang 720
agttnggann atnaa 735

<210> 1802
<211> 792
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(792)
<223> n = A,T,C or G

<400> 1802
cacccatnna ancgcccgan nnccaccatt atttaacact ccccttaact gtctttgaac 60
tttctctttt aacaaaaatg tcaagtcttt acagttgtaa tatcaccatg tttcccattt 120
ctgttaatac ttctatgaac ccctaaagta ttgaagggaa ctagctgcca gtttcaagga 180
ttacaagttt gagcctccta ntnttcaaca tcattctgaa ccctgaaata atattcttct 240
ctgttaaaca attnctatct gtntgccacc tctgttgnta gaggtggttg ttaattgacc 300
ttactaannn anctgccttt gatgannant tattgntatt ggntccngaa taaaacatta 360
acctttttnaa ntcagaagga acctcggtac ttcttaaggt tngtttgcgn tttctaaaac 420
cananaataa ggaactgatt tggctatcan gtttaaccat tanaattttc tgtaagcttt 480
ncccacaaaa aaaaccattg gtgatttgag gatatannna atgnttttaa nccttttttaa 540
aaataatnag nggggtnatt ctcntggnct tgnctaacna atngtncntg gnaaaacact 600
gncgattttn aanaaatttt tttnaaaaan ttgggcttnt tcttaaanan ttaaaaaann 660
gnccccanat ttaaggncnn tatttnnctg gancctcnaa aatttnnttg tgnaaacgcc 720
ccttnggttc ccnacnntgg aattntttaa accattnttc tccctttttg aatnttcana 780
attttntgna aa 792

<210> 1803
<211> 770
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(770)
<223> n = A,T,C or G

<400> 1803
accctnntna ancgcncann nntnaaactg nntctnnant tnncctcccn aattatggtn 60
nnaaaactta atganttncc aaggtnantg ggaagcctgg ctttaacact cccaggctat 120
attaatgagn tcatgaggat gncatntnnn tnatgcactt caaagggtgt tgtaagtatt 180
aactanntta atncaggtca nntgcatata ttagcactca atgcacggcc attgatnaat 240
aaatgcnagn ggtcctgatc actgagaatc taacctctgc ttaaatacct ttagtcataa 300
nnagcttcac tccctnanta acatgnttgg atttcttgat caaccatant ttttacngaa 360
tttctttcnt tactnanccn tgaaatcngt ctccttnaaa ntttctactt tggtatggnc 420
tcttctgnnt gctacnccaa atnaatntna tcctaatnct atntagctta nnttccagca 480
tanccacanc aatnncatta aatgatttnt tcatgtggca ngactttaaa ctccgtcacc 540
catcctattt gctcntctca aagagcttcc nccccgantt gctccctgng gaaattgccc 600
antttattaa atngnanaat gnttttttt naatnctaca gganctnccc cgnttgntat 660
tggtgcacca ntntctanaa annaggtnct cttgaanatt tttctggant tntgntntta 720
ccnaagtntc cttngtgggg cncttcccct ttccctacgc ctcttatnnn 770

<210> 1804
<211> 922
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(922)
<223> n = A,T,C or G

<400> 1804
gcngnnnnnn agnnnnnnnt gnnnncgctn antgaattnt ncaatgggna actcttgcat 60
gatatngnac cannggngna aggnnccgtt gctaggnggt acacaggatg nnggccctan 120
ccaatncatc aantgtatga cgacnattnc gggagggaca cntntantgn accgcagnng 180
cccccactat caagncggtt nctatggtta canacnntgt gttccatttt gtcntnaaag 240
ncnanaatta ncatccngtt cgcaattgaa gaaaancccc cattgaaccc cnattaaaaa 300
attgcncccg cnttnattnc cccgnacctt aaaccggtca atttaanngg gnaannatgg 360
cccccanctt ttngggcntt tttaacnttn ttcccggttt ccatttcncn aaangggtaa 420
natttaaana atggaaaatt tttttnttga aaagccantt ttttnttttac caaaaattaa 480
naacaanngg tttgcccaaa gctttaaacn ggntggtcgc natttttttt atttttccca 540
nttcctggca ttcccatngg cctngganaa tngttttccc tcccntgaaa gggcnttaat 600
ttgccttggg gaaaaaccaa aaantcgtcc cntttttttt tctggaaacc ccncaaaanc 660
ccttancnnc cnaacctttt tttttttttnt tttcccttta anttnncatc cttaaantaa 720
actgnttccn tnggnggaaa aaaccattcn tggccaaatt nggaancttn cccaaaacnt 780
ggtcccccctc ntttttgtgc acttaaagcc ataaccgggg gaccaaacan aannggggtgc 840
tttaaagggc naaggnggcc tttccaaatg ggaaatcccn aattattttc ntttaaccaa 900
gaaattgggg caccggggat nn 922

<210> 1805
<211> 922
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(922)
<223> n = A,T,C or G

<400> 1805
accggangnc cgnnnnaccn nnaanannan ccnnaanacn nanacgancg ngaggnccga 60
agnagganan nacaangcnc gggngagnnn ncnngngnna ngcnaannca nnccncccgg 120
cngtagngaa acccccttngg caacncgcgc nnnangcaag gaanccaacg aancccncac 180
ggcgacgaga annggaagcn accaaaccag ganganagtn ttcagaccna ngcaaaggaa 240
gcngganggg angaagaagc ngaacaacna ggaaacccag naacaggagg acaagcngng 300
gnagaaaang angcccccng ggngaagccn acggaaangc cgaganctca accaaanagg 360
gagaagcngn nggnaaggnc cccgggcaaa anacgggnga gaaaangacn gcanggggan 420
naccnngnaa aaacggaaaa catcaaaacg gcacnngacn aagnaanggn cgaaaaaaga 480
aggagnnnnc cgganaccan agagaggaaa cgaccaggtc aaactaactn tggcacntgn 540
gggaccggga nntntnnaca aaagccacac cactcgcanc aacngggaca cacangatgg 600
ncgcagangn acccctagng gnagagaana aaacgnggan annggggacac ttaaaaacca 660
cangggcaac caagaacgag gangaangaa ggancctagg gcattccaaa aagcaagaaa 720
aanaaaccta agcccctngg naaaccggga cnaangaagn ccngcnaaaa accggaagac 780
ntngtngagg gcaccnaaaa nnggggaccc ccnnaaagan ccgaaaggga gnaaannagg 840
ggactccggg aaaaaaacac cccaaangac acacncnnaa aacncncggg caaacnnggg 900
gaaaaaannn naanaannnc cn 922

<210> 1806
<211> 788
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(788)
<223> n = A,T,C or G

<400> 1806
ttanccttta nannnccnnn nnnttttgca ngatnnnntn nnattcaatt cnnnacgagg 60
agtcaggaag gtaaggcggg gnttgactga ataaactctg ccttttaaat tgntcatctg 120
ggccgggcat ggtggctcac gcctgtaatc ccagcactct gggaggtcga ggtgggtggg 180
tcacctgagg ttgggagttc gagaccagcc cgaccaacat ggtgaaaccc cgtctctact 240
aaaaatacag aaaattagct gggcatggtg gtgtgtgcct gtaattccag ctactcggga 300
ggctgaggca ggaagaatca cttgaaccca ggaggcggag gttgcagtgt gccaagatca 360
taccactgca ctccaccctg gtgacagagg agaccccgtc tcaaaaattg attgatcaat 420
tcagcatctg agggctgcaa gtacagaagg aatctattct cagcagggca tagggcacgc 480
actggcttaa cagtttaata tataaggctc aaatagtcta tacctgaact gctataagca 540
agggcgatag ggaagtggat agattgcttc aancaaaagt gaactgtgag atctncaaga 600
cagagggaga aagatctgat ccaaatgaga acagattggn tattgcaggt ttcacagcct 660
aaaaaaanta tctttttgcc aaaagaaata ttaaatgatt aacagtcctc cacgtgtgtt 720
aatgttcaaa ctntattcat aatgngtata aatgggtaac aaaaatgnnn tacaataaat 780
cttttgnn 788

<210> 1807
<211> 968
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(968)
<223> n = A,T,C or G

<400> 1807
ctcnnagcct tgcaactcnn gtctttttgc aggatcccat cgantcncan tcngcacgan 60
gaccacngna aggtncctgg gccttttttng ggggataact gggnngggcn aancnacnan 120
anatttgncn ttnaaggnct ncttcancag ggancttanc tggttctnaa atccngatac 180
cnagagaann tatccntnct atggnggatg ggtttggaaa ccaggtcaga aaaaaggttt 240
tggtntacct tggctttcaa accgggaatt gaacaagccg aagaaagtna aaaggggttg 300
ccccaaattt agcctnggaa tccagtgggg cntgaaaatg ttctttcttt aatcaatcca 360
ttgggtggaa gaatggtccc cctnntngan tgnaccccat ttattcaaaa ttttggggct 420
ttcaaagaaa atttttnggt gggggggttag nccaaattaa aatccttaaa acccccttcct 480
tngccaagcc cccaattggg gntcaaggtt ttgggggtna ccccaagggc cntaaccatt 540
nggggngggc cnaaanggga atttcctngc cttangtccc ccaccggaat aaaccaattc 600
ctttttaacc caaatgggct tcaagccttc nttttngggc cttccggatt tgggttaatt 660
ttcccaccca aaaaaggaat ggaatncacc accgtttgga aagtttttta atantggaat 720
ggaccaaccc cagccgttgg ttggangccc ttggaaatgg gtaccaattt cctatttatt 780
tccccaatgg gnggcctgga taaaannggg ggcctggaaa agggaaatcc gggnacttgg 840
ggtggggtcc ntgccaaaaa tcccccaacc ttttggatgt gccgtggaaa attgtaaaat 900
aaccatcagg ccgtttgaat gggatnggga gaaanaaacc ttngccaatg ctttcaagtt 960
accaanaa 968

<210> 1808
<211> 733
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(733)
<223> n = A,T,C or G

<400> 1808
ccccgatnnc tttggagaat ttggtccttn accttgagga acacttcttc ttcaactttt 60
tatttctccc tgatgttaca gtttggtaga tttcaaactg gaatagctag catgtgcttg 120

ctaaataatt ttatgccagc cttatcctgt atcctagctg ttcttaacag caggtacaaa 180
aatgcctgtt tttcagcaag gttgaaattg ggaatgtcct tttgaatcag aagaaaatag 240
gccatagact catctcccag cacaaatggg cattctatga aatggtactg gccctaggag 300
gatttcctca accactctcc tactcttggc cttgaaccta cctctgggtt ggatcttact 360
attgtagctg ctcactatac cctcctgcat gcttagaata atgctttgag gggagcactg 420
gtaaaacaca gtatttattt ttttacctcc tttaagagga cttggaggta agttgcattc 480
attcactcaa gtttccctct tgctgtctaa tanaagctta ctttttgcta tatcagcatt 540
tgttacagcc aatatttaag gacaaaattt agaaaatata tcatttcctg gcccatcatc 600
anaactaata cagcttaacc ttgcaagcta ccaacttttg nggcaagcta nanatcttta 660
atttgatatc taaggngcaa ggaccaacna tntatttaag aaaattggga gacatgnaag 720
gcaaagcttt tgn 733

<210> 1809
<211> 744
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(744)
<223> n = A,T,C or G

<400> 1809
accnnccaat cgccgaagnt tccnctgaca ccaggntnga ngcatnggng cnatttcggc 60
tnacngaaag ctnagcntac cngnttcacg ncnttcnnct gtcnganccct nntgagtnnc 120
tgngantaca ngccttngcn naactaaant ttngnattgt ttntaanaga natggggttt 180
nnccnntata gccaggatgg tcgcgatatt cntgaccntc ctgaagcgcc tggctgancn 240
tgcnaacgtg tgggattata gggtgnagag ccactgcgcc tggataanct attancantt 300
ttcngagacn gcctggtggn gtcaaccntg ctggattgca ctgnngtgat cttggcatca 360
ctggaacctc acgactcctg ggtggcnaac gattctcctg tntcaacntn cccaagtngc 420
ttgnnccnan nggngnccac cnctataccc cggtaatttn tgtatttta ctgacatacn 480
cgggtcanac tgatantgtc cnngngtgnt gatacaantc ctganctcna gatncanctg 540
anntganctn tcnaaagtgn tntgaataan nagtnngntc cannagccnc ctgcccannt 600
attttaanaa cgtaccatta ataatngnct atnntcancc tggcnttgnt canannanaa 660
cnttncctta ttcncccttt ctantagacn gccntnanan cnnttttnt nttnngnggc 720
ccccaataac cnttncccnc ntcn 744

<210> 1810
<211> 794
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(794)
<223> n = A,T,C or G

<400> 1810
canccntcnt nnttgctnaa gtnccagnct ngggacggga attggttttg atcttgnnca 60
aaatcttcnn tanggttgct nttgctgcnt gactgctgnc tacattcgga aaantctatt 120
ttgtgaattg gnagctaaat cccttactac cctgacaccg tggnntctac tgtatttctt 180
ttcaaggtgc natttgcttc agagttccag ncagntagat taagcaagag gctccagaan 240
aaatgtttac ttgaattttg cgcttccttt cttgatagtt tcctatataa aatttgtcat 300
tgaacaagag caaatgctga agtattaatg aggcacaaat gactgtgccc cattagcaag 360
aattcaggaa tcaatacaga cagtattaaa ttaatagctt aagtgaanaa aaaaaaaacc 420
tagtgaaaat gtattagccc cnattaaatg gccnaaagga cttntaaaag gcnaggggcc 480
ttaactttcc agtcctgcac caaataaaaa attcctnacg actctccact tttnccaagt 540
gggaggtttg gtcttaactg gaccttgtcg tatttttntt nnttngaaag gncggaattn 600

gctggtaaaa acttttncct accnttggaa atattngnga cnccctaggc nnttttttaa 660
ggntctcnaa aanaggggaa tggccttatt gcccancttg ttnacaaagt ngtgnnaana 720
aaaagccccc cctgngctgt cangaaaagg ggnncntctn ananctctn gggtttttcc 780
ttttcnncng gccg 794

<210> 1811
<211> 739
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(739)
<223> n = A,T,C or G

<400> 1811
taccccgnn tcgaattcgg cacgaggaga accttgacaa gaaagatgca tcaatcaaca 60
tagaaaatat gcagtttata cacaatggca cctatatctg tgatgtcaaa aaccctcctg 120
acatcgttgt ccagcctgga cacattaggc tctatgtcgt agaaaaagag aatttgcctg 180
tgtttccagt ttgggtagtg gtgggcatag ttactgctgt ggtcctaggt ctcactctgc 240
tcatcagcat gattctggct gtcctctata gaaggaaaaa ctctaaacgg gattacactg 300
gctgcagtac atcagagagt ttgtcaccag ttaagcaggc tcctcggaag tccccctccg 360
acactgaggg tcttgtaaag agtctgcctt ctggatctca ccagggccca gtcatatatg 420
cacagttaga ccactccggc ggacatcaca gtgacaagat taacaagtca gagtctgtgg 480
tgtatgcgga tatccnaaag aattaanaga atacctagaa catatcctca gcaagaaaca 540
aaacccaact ggactcntcg tgcngaaaat gtagcccatt accacatgta gccttggaga 600
cccaggcaag gaccaagtac acgtgtactc acagagggag agaaagatgt gtcccaaang 660
atatntataa atatttctat ttanccattc ntganatnaa ggagccctgn ttgcnttgat 720
gnaaaacant gntatnatc 739

<210> 1812
<211> 922
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(922)
<223> n = A,T,C or G

<400> 1812
acctngtntc gctcaagnat gtnggtncnn nntctgtngg aagtgagntn tnctgnggcg 60
tcggtnnttc gtgatanctt gcntcngttg ctcgatggtc tnngcttang gtcttgnnnc 120
ttntaccctt gnnnnnaccc gnccnnggcg nnnatatnnn ntngntncga gggtnctntn 180
ttganaaana nnacgtgtgc ngggctntct anctggggng nnnngcnntc gtgncttata 240
tntggnaggt cgtcnncntn tgngtcttcc aaaaantctn tnttgnactn ttctacacan 300
aacagantnn natcatnggc tagatggatn cngncanagc cngnnncnnn atngnngnta 360
tttctgangg tctgntntna atatcacntc cnngggagnc acnggancat ggntctggnt 420
aaaacnnntc atanccccnc aatatgnncc cctccctntn canccacttt ttcttntgcn 480
atttttgccc nntttccccc cctcancttc nacgnaacaa tgnacntagg ggnccctntt 540
ggnatgatnn gggncttnga caaagnaagg gganggggcc tcngaaacgn gattatcang 600
cnccccccct natcgcttgg attgtcaaaa tcattggtgt accctcaaac tgggngnngn 660
ngaaatcntt anctttttgg cccccnccgt gnngttttca nccccaana nanacccacn 720
tnncgccncc tttgttntaa ctnccnaaat attntgntcc ccccnngccc ttnggggatt 780
tcgcctcnng ataaaaaana anccntcttt nttnttttte cggacccaaa acccttttgt 840
aaatttnntt ttcttaggca aaagncntat ttnccccnct tnntttcacc tttctttgcc 900
cccttntnna ggaannanaa aa 922

<210> 1813
<211> 1188
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1188)
<223> n = A,T,C or G

<400> 1813
cgacancnct ttggnanctc ccngtctttt tgcnggatcc ctcgattcga atncggcacg 60
ggagattnga ncgccacctg gggcantttt tncctngccc ctggnggggg tcnatctann 120
cgnatgcntg ngtangccct cntgctcccn ttntcacccg tgnggaggaa atcacccagc 180
canncgaggg atggtccaga acccnntagg cccccatatc ctgggaaanc catactcgtn 240
ccatggcnaa tgggntnggn aaaattcctg gaaaggnngg tggtaaaaat ttcccccggg 300
gccntatttt cctntaccca cccgaaangg gaggggaaaa ttttttcggg acccaggggg 360
nttggggggg gcccattnan nnncctttt cctccaccca tttagccgga atnaatnccc 420
ccattccngg ggnttggaaa anaanaaant nnnnnncgct cccaagnaaa tgggaaaaaa 480
ncctnggggc ccccnaggna attttnaatt tttnaggggg gggaaaaagg ggcccattaa 540
tnnatttgca aacccccttc aagaaaanaa nttnggccca nanaaagnna aaaaatgggt 600
ccccccccttg ggtnaaaaat tggaaaggaa tttttacccc aaccctnggg atggnccttt 660
ccctaaggga aaaanaaatg gtttccccca cccnnggcgg ngggnaattc cctgaggggg 720
ccttttggg gccccaaggg gtnaaaantt ttnccccgc ccnccccntt tgnacttnta 780
tnccaanttt ccaaaanccc ctnggccaaa anaaagncaa gggacccccn ccttgggggn 840
gaaaggggaa aggnaaaaga acctggggaa aaatgggaag gnaacatncc tngggggggn 900
aatnanangg ngggtctcgg gggggtttcc caccnaaagg nangggtcgg ctttttgggc 960
ccccgctatt taaggnanaa aatacctggg nggaggcccc gggggccnct gggggggggc 1020
ctntnccaat tggtgggcaa ccccccccagg cnccctntgg gggacnggcn tgggangggg 1080
gggggggggg aatcccnccc cggaagggcc cggggagggt nccttaggaa cccnggcccg 1140
gggccccaac cntnggggggg gaaaacccnc cntcntctta cntaaann 1188

<210> 1814
<211> 763
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(763)
<223> n = A,T,C or G

<400> 1814
ntnagtcnnn ncgaggaagg atntcactct ttgccctgtg gcctctccct tttcccccct 60
tctggttgga ggagggagaa gtgggaanta gcttggnanc tggnttgagc acatnaggcc 120
aangctgcag ggagctgtgg tcgcaccact gcactctagc ctgggtgaca gagcaagacc 180
ccatatcaaa aaaaaacggc cgggcgtggt ggctcacgcc tgtcatccca gcactttggg 240
aggctgaggc gggtggatca caaggtcagg agatcgagac catcctggct aacatgatga 300
aaccccgtct ctactaaaag tacaaaaaaa attanctggg tgtggtggcg ggcgcctgta 360
gtcccagcta ctcaggaggc tgaggcacga gaatggcgtg aacgcgggag gcggacttgc 420
antgaancca agatcgtgcc actgcactcc agcctgggcg acagagcaag accccattat 480
caaaacaaac aaaactgtga tgataaaaaa gccccataaa cactaatatc aacccatgct 540
acttctgcct taaatttttn aanattcttt gcacgttgnt tactttanta acnctgggnn 600
aatcnctttn ccccccntggg ngnttgnagn naaataaact ggttatccct ngcctntgaa 660
aaggtanaaa ttaaagtcaa ttttggncna aaccaactct antncacttn nctccncncn 720
nccctnnncc cncaaanatt tctcnncntt tcttttcccc ncn 763

<210> 1815

<211> 947
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(947)
<223> n = A,T,C or G

<400> 1815
ctctatcctt tcactccngt cttttgcagg atccctcgat tcnaatcgcc cgggggccn 60
tncnncnnga ccccccngan tgngnggggg ggcttttggg gccgggagac cccttngttt 120
tnncttncgt gcccggagtt gggggccttt anggggcncg ggaaatantn ngtttttan 180
caagggancc ttggttcccn ctacccttnc cggtgggtgg gaggagggan aaatttngcc 240
ccttggggct tgggatgggn naatctctcc ccatgggaaa naaaccccnt tncttngtaa 300
aaacccgttt tgggggaaat ncgnncccnc cttttcctta aagaaaaggg naaanaattt 360
nccnttttaa tcccccnnnc aatattttgg aaaaatcctn ggggccnttt ttnggaaatt 420
aaaanttaaa aaagggccnn cctcctgggc cctttaancc agggaagaaa atngggcccc 480
cnaaanccct gggnccattg gganccaaag ccanttgggt tttggggaaa aggtttccaa 540
ggaaaagccc aanttcccng gtggttaanc catggtncac cnttngtngc ccttttaaaa 600
aaattaaggc cctggtantc cncccatttt tatttaccng ggttantaaa tttttnggga 660
ggttttantt tttttcaaaa atccatggtt nccttggncc cccagaagtt ccttttaagg 720
gttnaaccac ctaaggggac ctggcggtcc catggtacct aagtattaan cagcctttgg 780
ggttttggtt aanaaatttn gggcccacca tttttggaat tattaaatgg acccaccttc 840
catttttcnc catggttacc tcnagttccc cttaaatang gaanggggcc tctttttggt 900
tgnanccngg nanttggatt ttttttttt ttaacnttta tttggat 947

<210> 1816
<211> 760
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(760)
<223> n = A,T,C or G

<400> 1816
nttattcgnt ctcagcttgc atgcctgcng gtcgantctc atngatncnc aggggtgagc 60
naccacacca ggccnagcnt tttctttcaa atacaaggaa atnttttct gatttaaaaa 120
aaaaaaacga actttttttc tgatnatcaa agggaaagtt gcaaagatga aaataaangt 180
catctgtaat ctcaggtaat accaggtaat taacattttg ctgtatttct taccactgaa 240
aaaaatgcat agttttaagc tgggtgtggt ggtgagcatg tagtcccagt taagtgccca 300
aagggttcac tttaccggct gctagacaga gtcgatttac caagacaggg gaattgcaat 360
ggacaaagag taattcacgc agagcccngc tatgtgggaa accagagttt tattattacc 420
caaatcagtc tccctgagca tttggggatc agagttttca aaagataatt ttgcgggtag 480
gggcttggga agtggggagt gctgattggt caggttggag atggactcac agggggcgga 540
agtgaatttt tcttgctctc ttctgttcct gggtgggatg gcagaactgg ttgagccaga 600
ttgccgtctg ggtggtgtca gctgatccat cgagtgcagg gtctgcacaa tagctctgat 660
ccgtagggnc anaaaatggn gcatattatt cccaagaacc aattagggat ngantatact 720
ntntgnagcc ttatcttctt ccccctaacn gnanttccac 760

<210> 1817
<211> 940
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (1)...(940)
<223> n = A,T,C or G

<400> 1817
nncngannnn ngannennct tacnnttgna tnacccannn ctnaanctnn nttnnatnta 60
tngaatnacg gtngnnnang cgncttannt ngantnaann tttctttnnn cnnnnnngat 120
tttaaacccc ttnngnctgn ccncctnana anntgccatg tactaactcc gcttgctgat 180
gactgaagtg gcctggacta aagatgagnt taaaaagaag ctctggatga tgtaaccctt 240
cctcggcctt aaggccttca tacctcagct cctgtcacgg ctgcacattg gaagcccttc 300
tcccatggga aacataacaa agcaggctgc attaggaatt atgcagatgg ttgaaggaca 360
ccctcattga acatgctcat accaaacctc tccttcaagt cagctggttc ggtatagaga 420
agttcagctc cctgacagag ggatggtttn gtttatcagc agagaaaatg aagntcacaa 480
taacttgtgg natccgagat atactaccaa acaagacatg caaaagcacc tnngaagaat 540
atgtttcttg gagctcttct gtcaanatta tctcgnaacc ttgcttnaan ancctgngca 600
ccaagggang cangatgggg gctatatacg gacttnnanc nggggcccnc gntcgannct 660
aaatgggcat aacccgggcc ttgggnggat tcatccaatc canntcggaa aaaaggccac 720
cctnanctac cttnnnaaag gnaannngtg gntaagcncc ccccnnaaac tatnncatgg 780
ggnaaannec cccnnnnnang gnaccatnaa tanaatgaan ggcccttcca cnaaaaanaa 840
atttcanggc nntaangcan ctttcntgga tncttccccc ccccccnac tgnnnntntt 900
tcntcccccc cccnggctaa aantattggg ggaccccect 940

<210> 1818
<211> 957
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(957)
<223> n = A,T,C or G

<400> 1818
tgncacnnng nnaagtgtgt gnaggcctgn antttngcat agcgtanntt tgtgttgncn 60
nanantcnct aganctatat ancngntttg gnctntgnac catagagtgc ncncnngctn 120
aggnngngtt nactccgagt gagaatggan tggtttaggc ngtttnttta nctggggcna 180
gaggcncgtg tnattttgnc ataagntcan gtcncntang gcnccatgct ncccngagnc 240
annggtaac tannncncta annatccnng ttatttcgnn ngatananat cctnntggng 300
atatggncca ntntatgtac ctnattgtnc ntnaantaat tntnntntgg ttngtgacct 360
atnntcnccn natttattac ncggngntag ttcanncctg anngngnnga cnatnnngtn 420
ntcggctatt tanaaccgnt nctatattgg gntctgtgnn ncctacnann attgntacaa 480
cctactnttn ttntttcnta tcttcactaa ttgntnatgc ncnactggtt ngaaagatcg 540
nccanncnan ttanatggtc ntnanaantn aatggagagn acnantttgn ctnnggcaan 600
aannnngatn aangngnncc aaagtgnntc nngngnggng gcgtnncann naataaanag 660
ggcgnggggn ngaataatag nnntncannc ttatggtatg aaannaacnn ctgggnngtg 720
ngnnttaanc nccaanngnc nattnttnta nnnngngngn tgctctnann gttgnctnna 780
tagagtcccn gctntntttn atanngccgc aaatancnaa angagtgttn tnttcnannn 840
anaaanaata ctgncncnct atttnctntg ngcattannc antcctnatn cgnnnntnta 900
aantcncntt nnnttatntn nngttcacan ancatattnc cgtantntgt atatnac 957

<210> 1819
<211> 972
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(972)

09529020.060599

<223> n = A,T,C or G

<400> 1819
tnnantnnct tcaactcttg ttctttttgc aggaccctcg attcganaca agcgacactc 60
tagtggtgat gggaatagta aattaaaaag ngagtatcnt ggatttggac aacgnnnanc 120
nncaaaatnt gagatggttg aatgaatggc ccnntgtcat gatanatnag gncacttttg 180
gaaagggttg nggnncgaan gngaaatatt ttcnngtggn ttnngagcta tttttccttt 240
caagtccctc tcttttnncn ttgcnatncc cnnncttgtn ntggatgnat tgnancanca 300
tctcctnntn ncctnanant nggaaatngt taaatnncnt annggttcnc cattcatttn 360
nttaccaaac ggntanccnt tntttccnct nccctttttnn ccctcgntna nnnnttctgg 420
tttttttcc ccccccctngg gctnnanata ntnggtnntn ccatnntttc ntannggggg 480
aaaaccaaaa tatctncccc cattttttnng gntaacnggg ntaaaatctg ntngctcggn 540
antttncaat aaaantttan tctcccnccn actcncaatc gtnntatgta aacccccccc 600
nttttttttc ncctncngng aaaatatatg ggcntaaaan atnatnnatn taaaantttn 660
ttttcaccnt nngncanctt nganttntcn cactnataat ntctccnntn cctnagangc 720
tncactttcn antttccnan tnnctttcnt attanctnnc canccnannc ttaatattgn 780
ccattcgnnc aacntgggcn ccatttcctt tttgngttan tncanaaaat tanccctttc 840
nttgtnagcc ccctttttntn ntntttnatn tcccctttngn ctctttaacn tnggtgancn 900
aaanantatt ataccntccc aanaacnttn tctttnnccc ctaaatttcc ctcttttaaa 960
naccctttgg tc 972

<210> 1820
<211> 724
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(724)
<223> n = A,T,C or G

<400> 1820
agttacacgt tcnttaanac ngtgcactct gaantgtact cagtgaaaat ctgttttgng 60
tttcattaat gctatttcac cagttagaca taattacttc taccgntgtg aatganacng 120
atgccggngg agctaccana tctttcncac tcaactgcta ggtcaattag attgccatnt 180
taaaacttgg cggattctac aagannatnt gacnaccagg aactacatnc tatgatggaa 240
aactatccat actgnanact ccntgtgtaa ttatcatgct gctgctgctg tgctctggaa 300
ntctcaatat gacatttana ctctgcgcct actaaaggca tcttctggag tttttgggag 360
gananaaact gganaattaa atcgnatttt ngccanaaga ctcttacttg catgtgtctc 420
aaggnctnca atttttctat aagnnnccat atccaangtt canaattcat gtganatact 480
tctttggggc anaagnnctt cattcctggn ntntattgga tcgnaaatct gtagcaagan 540
gctgnttaaa attaccatan tggtttnnta tcttatactc agctctcngg ctattgaact 600
tcttttctng tttgaagnta gcttcaaaat ttgctcctat gctnaattac ctgnaaatat 660
tctggatang aactacttcg aaatantaat ttggtnaaag atatgacaaa atgaaatgcc 720
ttaa 724

<210> 1821
<211> 1507
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1507)
<223> n = A,T,C or G

<400> 1821
gngnnnnnnn nnnnnnnnnn nnngngnnnn nnnaggggng nnnnnnnnnn nnnnnnnnnn 60

gnngngnggn nnnnnnnnnn nggnnnnnnn nnnnnnnnnn nnnnaggnnn gnnacttttt 120
tgggaaaaan ccccccnnnn nnnttttttaa ttnannancn nngggggggc nccccgaatg 180
ngagggnnng nnnncnagat aaggggcggn nnnnggggng tttttttttt cnnannnnnn 240
nnnnacnnnn canggnnggg gggggggggn tttttngnan gnncntnnnn ccnantnnnt 300
ctangngngn ngcngcgtng ngngnnnggg agangnggng tgngcnngcg ggngggtgaa 360
gcnaatngag ggnnnatcgg gtgngacnng gnnggggaggc gggaatggnn gnnggngnga 420
gtnggnntat gtgnngnngc gtnccgngnn nggggnncnn ncgngggggg ngngcngtac 480
nngggngcga ggngtancgn ggngcngcng tgngngnnct gggnnnagnn ncgnaggtcg 540
cnagggggag cgggcgggng ggggcnnggn gaatgtcggc ggnnnnnggn nggngnccgn 600
nagccgcgng gngntngctg nggcagggna ntggngnngn gtngntntag agnacgnnng 660
ngnagcacgt gcggcgtnta gnngnaggng ananggggcga tntggngact ggngnggagg 720
gggggacntn tnggngangt gtggngnang gacgnngntg cgngngcggn tcnggggnga 780
ctgaggggnn tgcngatgnn agggngnnga anggggtcnn gnggngnggg tgngnangnn 840
tnnggngnnn gnncngancg ntnncngggg nngngggngt ngtgngnngn nnngcgnagn 900
gnncnngngn nnntagnngn gggnnnnnga gagnnnnggn nnnnatcgac ngnngnnggt 960
acnnggtgnn ggtagncgan anngatnggg ggnangngcg nntngnctng tncgnngngn 1020
gttngngnaa gacgtnngcg nnannctngg ggngnggann gagtnngggt gcggacngng 1080
aangggtang ggggtacgnn nngtangngg gnnagcgnag tngtagngcg ngtggtgcgn 1140
ncnggancnn nggnnacnnn ggtgngatgg gggcacgnga agacgagcgc tngcgcacgn 1200
ngggangana tagntgnggt aaganagagg gnngcggnng natgctgtcg acgtntncan 1260
gtngncggtg ngcgngctgt ngcntgnagg angggggggg ggnnatgtgn atgngtnnna 1320
gcncanggng aggggcnnna ttagcgtgng gcgcgggctn ncgggggggn cgnnngtcat 1380
ngacgncnng tngcggagtn ttgcgncngn gcgagagnng nnngnggngg gngtnggcgc 1440
gggtatgngn naggagatga gtgcgngatg ggagctcgct ctnngtaggt nggggtcgat 1500
gcgccgn 1507

<210> 1822
<211> 726
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(726)
<223> n = A,T,C or G

<400> 1822
ntttgacccc ttatcgccga gtgaggaaag aatagtcagt aaattgatgc gatccctaaa 60
aagggcagca ttgcagcgcc caggcataag acgtgtgatt gaagatccgg aagataaaga 120
aagtagacta atcatgttgg atccctataa aatatttact catgattcct ttgagaaagc 180
agaactcagn gttttagagc agcttaatgt cagtccacag atctctaaat acaatttgga 240
actaacatat gaacacttta agtcagaaga aatcttgaga gctgtgcttc ctgaaggtca 300
agatgtaact tcagggttta gcaggattgg acatattgca cacctaaacc ttcgagatca 360
tcagctgcct ttcaaacatt taattggcca ggttatgatt gacaaaaatc caggaatcac 420
ctcagcagta aataaaataa ataatattga caatatgtac cgaaatttcc aaatggaagt 480
gctatctgga gagcagaaca tgatgacaaa ggttcgagaa aacaactaca cctatgaatt 540
tgatttttca aaagtctatt ggaatcctcg tctgtctaca gaacacagcc cgtatcacag 600
aacttctcaa acctgggggа tgtcctattt gatgtttttg ctggggttgg gccctttgcc 660
attccagtag caaagaaaaa ctgcactgta tttgccaatg atctcaatcc tgatctcata 720
aatggg 726

<210> 1823
<211> 746
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(746)
<223> n = A,T,C or G

<400> 1823
ngttacacct tnnantccgc acgaggagag tgctncctta aaaatgcaaa gttgaagaac 60
tgtaacctca gaggagcaac tctggcagga actgatttag aagaatngtg atctgtctgg 120
gtgtgatctt caagaaancc aacctgagag ggtccaacgt ggaagggagc tatatttgaa 180
gagatgctga caccactgca catgtcacaa agtgtcagat gagaatttta ggggctggag 240
gaagatgtaa aagatgaaaa tgttttcctt atcacttttc tttctccacc cactcagttg 300
tctagaagaa ataacactgt aaggaaattt aaaaaaaaac atttagagga ttatgcttgt 360
tttgagtggt gcataaggga aaaaactgac tttttttcca tattctgatt tttaacagaa 420
aagcactcat ttaatagatg tagggaaact agatattgct gccttttgaa tggggtaggg 480
gggtttacct ggttttatga ccaggcatag tatctattat atttgctttt aaataggcat 540
gatgtggaaa taccatcttg gtttgagatg cattttgagg gattttaatt tatgggaaag 600
cccaacatta tgccattata tttattggna ttcctaanat gcngtatggg atatttaaaa 660
ttgntaaaac tttatgaaaa cttgggaaaa ngntgttcaa ggtttataaa taacctttaa 720
tggatgccct cccctctttt aaannt 746

<210> 1824
<211> 1059
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1059)
<223> n = A,T,C or G

<400> 1824
nnnnnnnnng nnggnnnngg gnnggngnnn nnnnnngngn ggnnnnnnnn nnnnnnnnnn 60
nnnnnngtnn tgantcttgg aaancccngn nnttttngna gnacccgggg ggccggattg 120
gggttgcggn nnnnaggggg cnnnnancttt ttttttnnct ngnggcccgg ngncgggggg 180
gggggggttn nannngggng nngccnccnn tgntnnnnnn gggnncgcnn nngngncngg 240
gcannggggtg agggggggtn ngntgggncn nggngggntn gncggtnnng ncgcnaccng 300
atggtggggn.tggtnggnnn tgccnggggg aacgtgggnn ncggcgggnn ngtgggnnac 360
cgcggggngg gggggcggnc tnccaaangg nntgcggggg gggncnntcc gtgggggngg 420
aggnctggnc ccngggggga ggnggggnccg nngggncccg ncngggccct gtnnncgcnc 480
cnggncggcc nagcnggggc cgnntgggggg ccnngngtgc nnnnngcccg ggncnnngnt 540
gtcccccggc nagggangng gnnctgggnc ggggnggnct gtgntggggt gcnggggggnc 600
nggggggaac gtgggggggg gggggnccca tgggggggggg gnnnnngtcn ggnccgagga 660
gggggnggcn cnngggnngn ntanggnang gggcngacng angggncngg nnnnggnggn 720
gaagncncgn ngnggnngnn gtnggggcggg tntngcccna tcagattgng ngaagggggn 780
ggngnangcg nngcngnggg gggggggggac cggggnggnc nngggngngtg tgggntnngg 840
nnnncggngc gtnnggggggn gnaanggggn cggggnngca gggccgggtg cccggtgggn 900
gggggtgnng gtggntggcc gnnngccggg gnggctncng ggcgngangg gggtnangnc 960
cnnnnggggng gggggggncan cggaggggggc ntttangagc cggatgnnng nggggnnggn 1020
ggncggggcc nnnacaattg ggangnnnng gngtgancn 1059

<210> 1825
<211> 739
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(739)
<223> n = A,T,C or G

<400> 1825

nnttacncgn tcgantcgca cgantggang aancnacaag gaaaancnng cncntgnaaa 60
angtncaggn tcnaatncgg atggtcctcn cctatntgtt ngctnagttg agcctntggt 120
ntcggggtgt ccacgggggg ctcntcgtgc tgggatccgc caacgtggat gagaagtctc 180
ctgggctacc tgaccaagta cgactgctcc agtgcggaca tcaaccccat aggcgggatc 240
agcaagacgg acctcagggc cttcgtccag ttctgcatcc agcgcttcca gcttcctgcc 300
ctgcagagca tcctgttggc gccggccacc gcagagctgg agcccttggc tgatggacag 360
gtgtcccaga ccgacgagga agatatgggg atgacatatg cggagctctc ggtctatggg 420
aaactcagga aggtggccaa gatggggccc tacagcatgt tctgcaaact cctcggcatg 480
tggagacaca tctgcacccc gagacaggtc gctgacaaag tgaagcggtt tttctccaag 540
tactccatga acagacacaa gatgaccacg ctcacacccg cgtaccacgc cgagaactac 600
agcccttgag gacaacaggt ttgatcttgc gaccatttct tgtacaacac aaactggcct 660
tggcaagttt tcggtgcata anaaaatcag gtgctacagc ttcgagcctn ttaaaactat 720
agtgagtcgt attacctaa 739

<210> 1826
<211> 1373
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1373)
<223> n = A,T,C or G

<400> 1826

annnnnnnnn nnnnnnnnnn nnnnnnnnnn gnnnnnnnnn nnnnggggnn ngnnnnnnnn 60
nnnnnnnnnn nnnnnnnnng nnnnnnnnnn nnnnnnncnc ggggggnnnn nnnnnnnnnn 120
nnnnnannnn aggagnntng aaactncttt ggggaaaaaa ncccccnnnn nnnnnntntt 180
nnannngnan ccnncnnngg ggggngcgcc nnccttgng gggggggnnn nnngnnnnnn 240
angggggggg gggngngnnn naaananctt ttttttttnn nnnnnnnann nnnangnagc 300
nnnnaggngg ggggggggnt ntttnnagag nnannnngtn tnnngnnttt tttancnnag 360
gagngcaggg ggannnnnnn ggacnnangn gggggnnagn aaggggngan nagnnannng 420
ggangnnnga ggnatcnngn aagannnann cgnnngnggg nannngngng cgggnagngn 480
gagagnnnag cncnngaggg nggggganggn gnngangtgt nanganngng ngnaggggag 540
ancagnnggg ggngaaaang nggngnnann nnnnggaang gnngnaanan gagnggnnag 600
ngtngcgggc nganggcann angnngcngn nnagngngnn cggngnnnna nngacagngg 660
gtangnggnn nnanggnnan cagaagnnnt agnagtgata nagngaggcg aangncanan 720
ggcgnggnng annggngngn aangnngcgn gannggnnna ngcaganggn ntnagngngn 780
nanggcngnn gggngnagng aannangagn nnngnnnngn nggnagnnnn nnnnnaagnn 840
nnngcnagnt nnnngnngng cgnnagcgnn aagnntgnga nggtggnaan ngnacgtnna 900
ngngnncggg ngngngnaan gnanngcngt gngngnggna gngnnnagna ntggngngtg 960
cnaggnngnn gnagganngn nnnnannnna nngnnacgga gcnncanggn ngngnannga 1020
nagangggng naancangnc ncgngnanag cangnaggcn nngnnanntc gnnantntnn 1080
agagnatatc annngnannn atgtnngana gngaggacng ngngagaann nncgngnacg 1140
nnagcgangn gnngntanga ccangnangt nnnngcacng nnnntatgcg ganngncggn 1200
ataagcngac cgnatnagng ggacnnnana nagatnnggn agngggngcg ctnnngngan 1260
nanatcnntn ngagaggngn agccgntagg ncngnngaca gngnananat aangaagnnt 1320
cagnnancac gganannnaa naangnngng gggtngacga cggnngnacg cgn 1373

<210> 1827
<211> 737
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(737)

<223> n = A,T,C or G

<400> 1827
cnttttgnnt cntattatat acangctact tgttcttttt gcaggatccc atcgattcna 60
attcggcacg agtggaggaa agcagcaggg taaaacctgg cgctgcaaaa tgtgcaggct 120
cgaatacgga tggtcctcgc ctatctgttt gctcagttga gcctctggtc tcggggtgtc 180
cacngtgggc tcctcgtgct gggatccgcc aacgtggatg agagtctcct gggctacctg 240
accaagtacg actgctccag tgcggacatc aaccccatag gcgggatcag caagacggac 300
ctcanggcct tcgtccagtt ctgcattcag cncttccagc ttcctgccct gnagagcatt 360
ctgttggcgc cngccacccg cagaactgga gcccttggct gatggacagg tgtcccagac 420
cnacgaggaa gatatgggga tgacatatgc ggagctctcg gtctatggga aactnaggaa 480
ggtggccaag atggggccct acagcatgtt ctgcaaactc ctcggcatgt ggagacacat 540
ntgcaccccg agacaggtcg ctgacaaagt gaagcggttt ttctccaagt actccattaa 600
cagacacaag atgaccacgc tcacacccgc gtaccacgcc gagaactaca gccctganga 660
caacangttt gatctgcgac catttctgta ccaacacaaa ctgnccttgg cagattcggt 720
gcataaaaaa tnagtgt 737

<210> 1828
<211> 754
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(754)
<223> n = A,T,C or G

<400> 1828
tatncgttac aactacttgt tctttttgca ggatcccatc gattcgaatt cggcacgaga 60
ccgggaccaa aacatnancc gcttggncnt ncaaaanaat caacctgnag gatctcaggt 120
ttcntctggt ctgtggggag ggcaaaaagg ntcgggtgat ggccaccntt ggggtgaccc 180
gaggcttggg agaccacagc cttaaggtct gcagttccac cctgcccatc aagccctttc 240
tctcctgctt ccctgaggta cgagtgtatg acctgacaca atatgagcac tgcccagatg 300
atgtgctagt cctgggaaca gatggcctgt gggatgtcac tactgactgt gaggtagctg 360
ccactgtgga cagggtgctt gtcggcctat gagcctaatg accacagcag gtatacaagc 420
tctggcccaa gctctggtcc tgggggcccg gggtaccccc cgagaccgtg gctggcgtct 480
ccccaacaac aagctgggtt ccggggatga catctctgtc ttcgtcatcc ccctgggagg 540
gccangcagt tactcctgag gggctgaaca ccatncttcc actacctctt catacttact 600
cctntacagc ccaaattctg aagttgtctc ctgacccttc ttttantggc aacttaactg 660
aagaagggat gtccgtttat ncaaaattac actattggca aataaccaag atggataaaa 720
aaaaaaaaaa aaaccccttt anaactatat gagn 754

<210> 1829
<211> 725
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(725)
<223> n = A,T,C or G

<400> 1829
tttaaccnct ntcgantcgg cacgatggag aggccttggc aaaatggctc atcacgttca 60
ggccctccgg gctgagttgt cagcagtatc aagggagggg cctgctctat ccccagaagg 120
atcaggatca tatccaggat gccccacata caccaagcca ggcagagggc agctcagctc 180
ctgtcccatc tgctttggat atctttaccc aaaggcaggt aacccgaaga gccagcctcc 240
actgcccaca gagccaggcc cagttgtgtt ggagtatagg tcaggagctg tggaaggagg 300

cagtctgtga gggactcatg ctttaggagt cctcacccct cagactgctg caggacattg 360
ccaggcctct ctccacttcc ttcctcagca tacagacttc atgctatctt ccaattccgg 420
ggagtcttag ctattagggc agtttctgct tctccatttt ggggacaaag gccttgccca 480
gtacaaatct agccccttgt cccacagact tctggatggt ataaacctag tggcaatgta 540
gcaaccatag gctagaacca aacccaagat ttgggtcagt gccctgttaa gggttttagg 600
attggtaagg acaccacagc taaatctgac atgtaaaagg ataccctttc cctgtcccac 660
tacgggtgga ggctaaggac cttctcagaa cccacagatg gctggtgaca ttgggcacaa 720
ggctg 725

<210> 1830
<211> 756
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(756)
<223> n = A,T,C or G

<400> 1830
annnnnnttt ttacntcgnt cgaattccgt gctgtcgaat tggtttggca cctactacag 60
gatgatccag accaacttca ttgacatggg agaaacatgg tttggacttg gctgaaagag 120
gagacagaag tggaaggacc ttcctggagc agggcccctt cgctttcaga agggccgtat 180
tgagtttgag aacgtgcact tcagctatgc cgatgggcgg gagactctgc aggacgtgtc 240
tttcactgtg atgcctggac agacacttgc cctggtgggc ccatctgggg cagggaagag 300
cacaattttg cgcctgctgt ttcgcttcta cgacatcagc tctggctgca tccgaataga 360
tgggcaggac atttcacagg tgacccaggc ctctctccgg tctcacattg gagttgtgcc 420
ccaagacact gtcctcttta atgacaccat cgccgacaat atccgttacg gccgtgtcac 480
agctgggaat gatgaggtgg aggctgctgc tcangctgca ggcatccatg atgccattat 540
ggctttccct gaagggtaca ggacacaggt gggcgagcgg ggactgaagc tgagcggcgg 600
ggagaagcag cgcgtcgcca ttgcccgcac catcctcaan gctccgggca tcattctgct 660
ggatgangca accgtcagcg ctggatacat ctaatgagaa ggccatccag gcttctctgg 720
ccaaagtctg tgccaaccgc accaccatcg tagtgn 756

<210> 1831
<211> 742
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(742)
<223> n = A,T,C or G

<400> 1831
nncccntttn tcnncnccga nttccgntgc tgtngctgga naatanctac gaagctgccc 60
gatggccagg tcatcaccat tggcaatgag cggttccggt gtccggaggc nctgttccag 120
ccttccttcc tgggtatgga atcttgcggn ntccacgaga ccaccttcaa ctccatcatg 180
aagtgtgacg tggacatccg caaagacctg tacgccaaca cggtgctgtc gggcggcacc 240
accatgtacc cgggcattgc cgacaggatg canaaggaga tcaccgccct ggcgcccagc 300
accatgaaga tcaagatcat cgcaccccca gagcgcaagt actcggtgtg gatcggtggc 360
tccatcctgg cctcactgtc caccttccag cagatgtgga ttagcaagca ngagtacgac 420
gagtcgggcc cctccatcgt ccaccgcaaa tgcttctaaa cggactcagc agatgcgtag 480
catttgctgc atgggttaat tgagaataga aatttgcccc tggcaaatgc acacacctca 540
tgctagcctc acgaaactgg aataagcctt cgaaaagaaa ttgtccttga agcttgtatc 600
tgatatcagc actggattgt agaacttgtt gctgattttg accttgtatt gaagttaact 660
gttcccttgg tattaacgtg tcagggctga ntgttctggg gatttctcta gangctggca 720
agaaccagtt gttttgtctt gc 742

09234520.050498

<210> 1832
<211> 742
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(742)
<223> n = A,T,C or G

<400> 1832
nnnnttttga actccntntg agaaganacc gcagatctgg tcagccatgc agggacacac 60
tctgtgttac caagaactgg ctgtctgcag atactaaaga agagcgggat ctctggatgc 120
aaaaactcaa tcaagttctt gttgatattc gcctctggca acctgatgct tgctacaaac 180
ctattggaaa gccttaaacc gggaaatttc catgctatct agaggttttt gatgtcatct 240
taagaaacac acttaagagc atcagattta ctgattgcat tttatgcttt aagtacgaaa 300
gggtttgtgc caatattcac tacgtattat gcagtattta tatcttttgt atgtaaaact 360
ttaactgatt tctgtcattc atcaatgagt agaagtaaat acattatagt tgattttgct 420
aaatcttaat ttaaaagcct cattttccta gaaatctaat tattcagtta ttcatgacaa 480
tatttttta aaagtaagaa atctgagttg tcttcttgga gctgtaggtc ttgaagcanc 540
aacgtctttc angggttgga gacagaaacc cattctccaa tctcagtagt tttttcgaaa 600
ggctgtgatc atttattgat cgtgatatga cttggtacta gggtactgaa aaaaatgtct 660
aaggccttta ccagaaacat ttttagtaat gaggatgaga acttttttcaa atagcaaata 720
tatattggct taaagcatga ng 742

<210> 1833
<211> 1073
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1073)
<223> n = A,T,C or G

<400> 1833
caacnncanc ccnncccnnc nanncnncnn nnnacannan cnnnaccnna annangnnnc 60
cncnnncata ctacatnncn ncncacncnc ncnccnanac nngancacnn nnncacannn 120
nncgacncnc ncncncncca acncactccn nctcacncca gaacnnctcc nancacacac 180
nanatatnan gnnactcacc tcanctctat ncnnacgncn cnacannccc cnannnngnn 240
ccttttttgaa acccctttcg aaanccncgt ggccggnnaa ataagcanac tggacgncng 300
tannatgtct nttcggcaaa gnantatnnc tnnaccaaan ctagctngtg actnatcncg 360
cagtcataag acantcctaa catngtgact gtnaaagnct tggagatggc cgcnnggctc 420
ctgnatcgac tccgtcatta ntncncatgc aacaaaatac gagccngagt tnatnntaaa 480
angngaaaag cnacncnaan gaaactcact ccattacgtg gngaanataa ggaagtnatc 540
anagcatnnc cnannatcan ataagtaacc catcaatgag caatgccaaa gaatactatn 600
tgaacngcnc nctctctcng ctntnaattt ggaaatgagg ccntgctacg aaaacaactn 660
ccaanaaaca acanacctca angcnaancc caagagggca agacttnatc nannatagca 720
cccccagaga aaaaccacct aacgactacn nggtacngaa gaanttccct tgcggcnngg 780
aaaaacagat gaacangntt gcngaaaagg cncnancnna tgtattaagc cannctcagc 840
cantaccgag agntacnaga aggacnactc gnncgccccn aagtacctgg tanactgncn 900
canccgaacc nggctnaaac anacantccn atngctcccn nncccacnnt cncncccccn 960
ggnccngcnc tnnncccnna nancacnann ncangatncc cnnntcnntn ccctacncnc 1020
nacccggccc ccactannca nccnnctgnn ctcnnccccc cgacncncta ccn 1073

<210> 1834
<211> 749
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(749)
<223> n = A,T,C or G

<400> 1834
nnntnnnnnt ttgnaacccc tttcgaatcc gttgctgtcg ctgattaatg cactttgaag 60
ttctctggaa ttaattattt taacttggcc tagcttcgac tgtcaaggtg gctgttataa 120
atttgacttc attggcagtg gatgaagcct aagccagctg agtctctatc atagctgaac 180
cctgaggaca gcctcatagc tcatgtatca gggacttttg ccacatttca gaggcatagc 240
atgaacaagt aatattaagc caagaataag cagcagaacc ctgttccata tggaaaaaag 300
aaaaacaatt ttttgtccct aatgttcttc cttttacatc ctggaacaac aataaaaaca 360
ttttttttaaa cttgtctact gtaagatact gccatcataa agcagagact tacatgagtg 420
aaagggttgc ctcatcaagc agctcagtgt aaatggggag gctaggctct ccccagccct 480
atggtttttt tatttcatgt accccaggaa atactgtgtg gtttctaaaa gccctggttg 540
ttaaaagtag ggactctgcc tttttgttgg tagggagaaa aaacgctatt gctttgtctt 600
acagagcgaa tgtctgccaa ctacccgttc attatataag tctgaacttg gtaatantat 660
ggctaatgaa gattaagccc tctataaaga cttcctgttg aggtgaattc tcatactgaa 720
atgtacttac ctacaatatt tactagagn 749

<210> 1835
<211> 752
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(752)
<223> n = A,T,C or G

<400> 1835
ncnnnnttttt aacctcgntc gaattccttg ctgtcgttaa ttgttggctc agtgtatgct 60
ggggacaaag aaaaactaac aagccgacct gcctttatga taaattctag tgtgcttaca 120
agggatgact tcctgaggtg tgatctgtcc accttgaaga actccacaac tgaagaaggg 180
gagctgtgag aacgtggatt gttctacaac ttgcacaggg taacagagga agtggctgag 240
gcctagagtc acgttttcca gttcccttcg caaactatat ttcttggaac gcgaaaggaa 300
gctttaccta tttcatagaa gacctggaat ccataacctc agaaggcaat attattgata 360
gaaaatgtgg aaggatcagg aagttcttag attcttggat gacagatgca tgttgatgcc 420
ctatggagat gtccttgtgt tttgaggtca ctgaggtagg aagacctgtc tactcttggt 480
ttcaccacta gaacagtctt gggctggatg ggttatagag ctgagcggct gtgatggttc 540
tgtttttaca ttaacaaaaa caattaaaaa caccaaaaac aaanaanaaa annnnaanna 600
aaaaaaaant ttnnggggnc ctttttttccc nnannncccnn ccnttnnaaa aacccttttgn 660
naantttggg aaaccccccn nttnaaaatn ntnnnnnnnn nnnnnnnnnn nnnnnnnntn 720
nnnnnnntnn tnnnnnnnnn nnnntnnnnn cc 752

<210> 1836
<211> 750
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(750)
<223> n = A,T,C or G

<400> 1836

nnnnnnnttt gaaaccccnc gtgagagcct gagcagcaaa tctctcgcga caccctgtac 60
gaggcggtgc gggaagtcct gcacgggaac cagcgcaagc gccgcaagtt cctggagacg 120
gtggagttgc agatcagctt gaagaactat gatccccaga aggacaagcg cttctcgggc 180
accgtcaggc ttaagtccac tccccgccct aagttctctg tgtgtgtcct gggggaccag 240
cagcactgtg acgaggctaa ggccgtggat atcccccaca tggacatcga ggcgctgaaa 300
aaactcaaca agaataaaaa actggtcaag aagctggcca agaagtatga tgcgtttttg 360
gcctcagagt ctctgatcaa gcagattcca cgaatcctcg gcccaggttt aaataaggca 420
ggaaagttcc cttccctgct cacacacaac gaaaacatgg tggccaaagt ggatgaggtg 480
aagtccacaa tcaagttcca aatgaagaag gtgttatgtc tggctgtagc tgttggtcac 540
gtgaagatga cagacgatga gcttgtgtat aacattcacc tggctgtcaa cttcttggtg 600
tcattgctca agaaaaactg gcagaatgtc cgggccttat atatcaagag caccatgggc 660
aagccccagc gcctatatta aggcacattt gaataaattc tattaccagt tcaaaaaaaa 720
aaaaaaaaaa atttcntgng gccctttnn 749

<210> 1837
<211> 749
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(749)
<223> n = A,T,C or G

<400> 1837
nnnnnnnctttt gaaccctttc gaattccgtt gctgtcgtgc ctccaagatg gtgagtcttc 60
ttgcgtggtg agggtggggg ttcgggtgca gactctggga ttgtggggaa gtgagagcct 120
ggagcacggc tgaggggtgg accgagtgta catttcattt gctctggggg tcggcgggat 180
ttgcggagaa acaggagatc cgagcggcgc cttcctggag gctgccggtg cggcttgtgg 240
ccggaaaggg actgaggctg ggtgagttgc gccgttttcc taacagtttt cccatcctgt 300
cgcagacaaa gaaaagaagg aacaatggtc gtgccaaaaa gggccgcggc cacgtgcagc 360
ctattcgctg cactaactgt gcccgatgcg tgcccaagga caaggccatt aagaaattcg 420
tcattcgaaa catagtggag gccgcagcag tcagggacat ttctgaagcg agcgtcttcg 480
atggtaagtg ggtcaccggc gcgaactgtg tgaggatccc agtatcttaa agccttcgcc 540
caacttcgcc cttttggagg ctctgttcgt tggagcctct caggcaattt ccacgtattt 600
aangttgtta ctggtagaag agaattctct tgtttgccgt ttngattctt ttctggncag 660
aaggtgactt ttgtgataga gtgcacaagc ctttactctg aggtaaangg ttgctgtttc 720
ggttattaag attgcnaaaa ctanaaacc 749

<210> 1838
<211> 770
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(770)
<223> n = A,T,C or G

<400> 1838
tttaatcaat aantgctact tgttcttttt gcaggatccc atcgattcga attccgttgc 60
tgtcgccgga gcgcacccgg ccggaagccg ctgtcgggga gccggcggtg gggctggacg 120
caggtgcaac tgacatgggt gaaccccagg gatccatgcg gattctagtg acaggggggct 180
ctgggctggt aggcaaagcc atccagaagg tggtagcaga tggagctgga cttcctggag 240
aggactgggt gtttgtctcc tctaaagacg ccgatctcac ggatacagca canacccgcg 300
ccctgtttga gaaggtccaa cccacacacg tcatccatct tgctgcaatg gtgggggcc 360
tgttccggaa tatcaaatac aatttggact tctggaggaa aaacgtgcac atgaacgaca 420
acgtcctgca ctcggccttc gaggtgggcg cccgcaaggt ggtgtcctgc ctgtccacct 480

gtatcttccc tgacaagacg acctacccga tagatgagac catgatccac aatgggcctt 540
cccacaacag caattttggg tactcgtatg ccaagaggat gatcgacgtg cagaacaggg 600
cctacttcca gcagtacngc tgcaccttac cggtgtcatt cccaccaacg tctttgggcc 660
ccacgaacaa ctttaacatc gaaggatngg ccacntgctt gcctgggctt cntccacaag 720
gtgcaccttg ggcaanaanc aacggnttcg gnccttgacg gtgttggggg 770

<210> 1839
<211> 753
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(753)
<223> n = A,T,C or G

<400> 1839
tttgaaancc ctttgctact tgctcttttt gcaggatccc atcgattcga attccgttgc 60
tgtcgctttg aaatgtaaca aatggtacta cnaccaattc caagttttaa tttttaacac 120
catggcacct tttgcacata acatgcttta gattatatat tccgcactca aggagtaacc 180
aggtcgtcca agcaaaaaca aatgggaaaa tgtcttaaaa aatcctgggt ggacttttga 240
aaagcttttt tttttttgag acggagtctt gctctgttgc ccaggctgga gtgcagtagc 300
acgatctcgg ctcactgcac cctccgtctc tcgggttcaa gcaattgtct gcctcagcct 360
cccgagtagc tgggattaca ggtgcgcact accacaccaa gctaattttt gtatttttta 420
gtagagatgg ggtttcacca tcttggccag gctggtcttg aattcctgac ctcagttgat 480
ccacccacct tggcctccca aagtgctagt attatgggcg tgaaccacca tgcccagccc 540
gaaaagcttt tgaggggctg acttcaatcc atgtaggaaa gtaaaatgga aggaaattgg 600
gtgcatttct aggacttttc taacatatgt ctataatata gtgttaaggt ctttttttt 660
tcaggaatca tttggaaaat caaaacaatt ggcaaacttt ggattaatgn ggttaaagtg 720
cagganacat tggtattctg ggcaccttcc taa 753

<210> 1840
<211> 755
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(755)
<223> n = A,T,C or G

<400> 1840
aacntcggnt caaccentgc tggtgtttan atgtaacntn ngntnctnca cccaatncca 60
gtcttctntt tttnacaaca tggccccaaa aagcaaccag ggctatttgt acagttgaag 120
gggtgaacag aatgggcggc tgtgctggga gttggaagac ngggcagnac cgctattnag 180
agccatccct nactcagctg gcagggacaa gccaacgcca ggtagcatgt ggccaccctt 240
gcccantgtc tgtggcctgg caagtggcca cgccctgtgt canaccatct gggaattaag 300
ctccagacag acttacagat gccttcctta ggagttcttg cttcttgcgt tgatactttg 360
ccccanaaag gcctgggatt cattctggnn cttatcaggg tgtgtccacn ctctgctnac 420
aggnggatcc nccggctttc agtgcngaca gnccagatgc ttcctgcagc ccangccccg 480
ggcaccttct gnaaccatnt tgggctnaag acctgaagcc ggtttcctng gtcccentt 540
ccaacaagcc ttcaccaaca aagcttnggc caaannnttn ccnttcnggt tgnttttnac 600
ccngcttngg gcctncnagc nttgaanctt ggaaaannaa nttttteccg aaanttgttt 660
ntgggaaacc cnagggcnaa nggtttttaa gggaaggtcc naaaaggnnn ttccggggcn 720
ggnaaaccaa gncccaagg nttntaaaca aggcc 755

<210> 1841
<211> 838

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(838)
<223> n = A,T,C or G

<400> 1841
tactcgatcg antcgtgctg tcgtcacggt actttgccca agtcaccccg angtcangcg 60
ttanancagg aattnganco ccaaagctta nctnttancc ntttngntaa cnggntgtnt 120
ttccaggccc ccntnaccnt ttcnntnacc ntcccntgcc ccaggggcnt cntntcaaan 180
ggcngttccc ccntcgnttg cntcagcntn tccantttaa agcttcntgg ntctcctcnt 240
gttgaagtcn tgggatggnt ttcccntntc anaaactgcn caanaaacaa ccttggagtt 300
ttgaacaaag gntattcaag gagtnttcaa gaatgaatct tcntaatcgt ggtcatgaga 360
catgagaaaa aaggtgtcta ccacgtcttg tctctactca taaagacatt ggccaggtgc 420
ggnggctcac gcctgtaatc ccagcacttt gagagggcaa ggtgggcgga tcacctgagg 480
tcagaagttc aagaaccagc ctggccaatg tgacaaaacc ccatcttnta tnaaaataca 540
aaagttaact gggtgtggtg gcangtgcct gtaatnccaa cttcnttggg angcgaaggc 600
aggaagaatt gctttgaacc ccgggaggcg gagccttgca ntgagctgaa aatcacactt 660
actggacttt caacctgggg gtaccaaaan gggganggctt ttgctttaan naaaaaaaan 720
nnnnnnnnna aaaatttcct tgggggggccg gnttttttttt cggnnnaatn ccccanctttt 780
gtaaaanaaa nccttgggn ggaggtttng gggaaaaaaa cccnccnnnn nnttttttt 838

<210> 1842
<211> 753
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(753)
<223> n = A,T,C or G

<400> 1842
nnnntnttgt ttgaacccnt ttcnatnccg tgctgtcggt cacggtactt tgcccaaagt 60
caccccgatg tcaagcgtta gagcaagaat ttgaacccca gagcttaact cttaaccatt 120
ttgctaactg gctgtctctc caggcccccа tcacccttтc catcaccctc ccctgcccca 180
ggggcatcct atcaaatggc agttcccccc tcgcttgcct cagcatctcc aatttagagc 240
ttcatggatc tcctcctgtt gaagtcatgg gatggatttc ccatctcana aactgcacaa 300
gaaacaacct tggagttttg aacaaaggat attcaaggag tattcaagaa tgaatcttca 360
taatcgtggt catgagacat gagaaaaaag gtgtctacca cgtcttgtct ctactcataa 420
agaacattgg ccacgtgcgg tggctcacgc ctgtaatccc agcacttttg agagggcaag 480
gtgggcggat cacctgangt cagaagttca agaccagcct ggccaatgtg acanaacccc 540
atctctataa aaatacaaaa gttagcctgg gtntggtggc aggtgcctgt aatcccagct 600
tccttgggag gcgaangcng ganaattgct tgaaccccgg taggcgnngc tttgcattga 660
gcttanaatc acactactgc actncaatcn tngggtncaa aagggaggct ttgctanacn 720
anaatcnnta anaaanttcc gggncccnct ttn 753

<210> 1843
<211> 748
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(748)
<223> n = A,T,C or G

<400> 1843
nnnnnnnnnt tttnnacctt cgnttcgaat tccgttgctg tcggacatca cagcccctat 60
gaagaaagta gccacaatct caaataacaa aagggaatgt tctaaaactt tttcttcctt 120
aaaaatggag aaaattgcac ttgtgcttgc tgtgtggtat ataaaccagg attagtccca 180
gggtcgtgag gtttctggtg aaaaggttaa atcgtagaag ctagtatatt ttttatattt 240
ttgtaacaat tgctttttc atgggggagg cggggttagt atttatagtc ctaacaagtc 300
cagtaatttt ttataaatct tcagattata aacagcccct aaaaacttta caacgtttac 360
acagtttttt aaaaagagac tgtatacact tgatttgctt tcaaaataaa taaggtcagc 420
tagtctagga ggttaacgtc gggtaggaat gctgatcatg ataggtttgg ttttctacag 480
attctgttcc ggtgcctttc ctatccaggc accacctgag aaagttgtca tttgaggtcg 540
cacttggaag ttacatctgt gaagtttctg tcattcgtcc agatctgtgt gtgtagcatg 600
tgctgaggaa gcacgtgctg ggctgtgcct cagacagtgc atcaccgggc acccagaggc 660
ttgcctggct attcctgttc tggtgtgtgt ggagtgttgg ggaggaacag atgcagatca 720
acctgtggct gtttcccgtc taggttct 748

<210> 1844
<211> 843
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(843)
<223> n = A,T,C or G

<400> 1844
nttcgattcc gtgctgtcgg gctgtacaaa aggtagacat aatagtgaga agccacctga 60
gccagtcaaa cctgaagtca agactactga gaagaaggag ctatgtgaat taaaacccaa 120
atttcaggaa cacatcattc aagcccctaa gccagtagaa gcaataaaaa gaccaagccc 180
agatgaacca atgacaaatt tggaattaaa aatatctgcc tccctaaaac aagcacttga 240
taaacttaaa ctgtcatcag ggaatgaaga aaataagaaa gaagaagaca atgatgaaat 300
taagattggg acctcatgta agaatggagg gtgttcaaag acataccagg gtctagagag 360
tctagaagaa gtctgtgtat atcattctgg agtacctatt ttccatgagg ggatgaaata 420
ctggagctgt tgtagaagaa aaacttctga ttttaataca ttcttagccc caagagggct 480
gtncaaaagg gaaacacatg tggactaaaa aagatgctgg gaaaaaagtt gttccatgta 540
gacatgactg gcatcagact ggaggtgaag ttaccatttc agtatatgct aaaaactcac 600
tttccagaac cttancccga gttgaagcca aatttgccca tttggttaan tggngcatta 660
tttggaattt tngaaagggn cannaaaggg aatttttgga tccaaaaaat ngtggaaaat 720
ttnnttgggg ggnttgtgga atntggaatg ntnaaaancc nnaannttttt tgttaancnt 780
atntgacctn ggcnnaccna angtatttgg gaanttcccc ttttttgtna ataaaaaaag 840
nct 843

<210> 1845
<211> 815
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(815)
<223> n = A,T,C or G

<400> 1845
ttactttnaa cccttgcnan tccgggctgt cgggctgtac aaaaggtaga cataatagtg 60
agaagccacc tgagccagtc aaacctgaag tcaagactac tgagaagaag gagctatgtg 120
aattaaaacc caaatttcag gaacacatca ttcaagcccc taagccagta gaagcaataa 180
aaagaccaag cccagatgaa ccaatgacaa atttggaatt aaaaatatct gcctccctaa 240
aacaagcact tgataaactt aaactgtcat cagggaatga agaaaataag aaagaagaag 300

acaatgatga aattaagatt gggacctcat gtaagaatgg agggtgttca aagacatacc 360
agggtctaga gagtctagaa gaagtctgtg tatatcattc tggagtacct attttccatg 420
aggggatgaa atactggagc tgttgtagaa gaaaaacttc tgattttaat acattcttag 480
cccaagaggg ctgtacaaaa gggaaacaca tgtggactaa aaaagatgct gggaaaaaag 540
ttgttccatg tagacatgac tggcatcaga ctggaggntg aagttccatt cagtatatgc 600
taaaaactca ctttcagaac ttacccgagt agaacaaata gcacattggt aaatgtgcat 660
attgttttgg aaggagagaa aggaatttna tcaaaatggt gaaaattatt tggggtgtgg 720
attggatgtt aaaagccgaa agttttgtta cctnttgact ggcaaccaaa agaattgnaa 780
tcacttntga gnaaaagctt gaacccgatg ccagt 815

<210> 1846
<211> 801
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(801)
<223> n = A,T,C or G

<400> 1846
gnnttnnacc ncgnatcgan ttccgttgct gtcgctgacg gcgcttttgt ctccgggtcc 60
agaggccttt cagaaggaga aggcagctct gtttctctgc agaggagtag ggtcctttca 120
gccatgaagc atgtgttgaa cctctacctg ttaggtgtgg tactgaccct actctccatc 180
ttcgttagag tgatggagtc cctagagggc ttactagaga gcccatcgcc tgggacctcc 240
tggaccacca gaagccaact agccaacaca gagcccacca agggccttcc agaccatcca 300
tccagaagca tgtgataaga cctccttcca tactggccat attttggaac actgacctag 360
acatgtccag atgggagtcc cattcctagc agacaagctg agcaccgttg taaccagaga 420
actattacta ggccttgaag aacctgtcta actggatgct cattgcctgg gcaaggcctg 480
tttaggccgg ttgcggtggc tcatgcctgt aatcctagca ctttgggagg ctgaggtggg 540
tggatcacct gaggtcagga gttcgagacc agcctcgcca acatggcgaa accccatctc 600
tactaaaaat acaaaagtta aatacaaaag ttaacttggg tgtggtggca aaagcctgta 660
atccagcttc cttgggaagc tgaaggcngg aaaaaatgct tggaccccgg ggaccgaggt 720
tacaagtgag ccganatcgc acttggtgta cccaagcctg ggncccagtg caagaatcct 780
tttcaaaaaa aaaaaaaaaa a 801

<210> 1847
<211> 788
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(788)
<223> n = A,T,C or G

<400> 1847
gnnnnnnnnn nnnnnttttn naactcgntc gaattccgtg cttgtcgctg ncggcgcttt 60
tgtctccggg tccagaggcc tttcagaagg agaaggcagc tctgtttctc tgcagaggag 120
tagggtcctt tcagccatga agcatgtgtt gaacctctac ctgttaggtg tggtactgac 180
cctactctcc atcttcgtta gagtgatgga gtccctagag ggcttactag agagcccatc 240
gcctgggacc tcctggacca ccagaagcca actagccaac acagagccca ccaagggcct 300
tccagaccat ccatccagaa gcatgtgata agacctcctt ccatactggc catattttgg 360
aacactgacc tagacatgtc cagatgggag tcccattcct agcagacaag ctgagcaccg 420
ttgtaaccag agaactatta ctaggccttg aagaacctgt ctaactggat gctcattgcc 480
tgggcaaggc ctgtttaggc cggttgcggt ggctcatgcc tgtaatccta gcactttggg 540
aggctgaggt gggtggatca cctgaggtca ggagttcgag accagcctcg ccaacatggc 600
gaaaccccat ctctactaaa aatcaaaagt taaatcaaaa gttagctggg tgtggtggca 660

aaaggcctgt aatcccagct tccttgggaa gctgangcgg gagaattgct tgaaccccgg 720
ggacngaggt tacagtgagc ccagatcgca ctgttgtacc canctggggc cacagtgcaa 780
gaattcat 788

<210> 1848
<211> 764
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(764)
<223> n = A,T,C or G

<400> 1848
actngntcnn atccgntgct gtcgnngntt agagttaaaa gtcaataagc attacaaaaa 60
ttgccatttt gacatcagca aatcaaattt ctctatctaa ttaaaggaaa acccttttctc 120
ttatttctct tctcttttcc tcttctcttc ctcctcctct atttcccctc tccttatccc 180
cttgtctccc tcttctgctc tttctctact tcctctntct cttttnctga tgtatgncta 240
tnntatattt tcagaaataa ttcagtggca tctcatgtag atgtaccact ttcttattgc 300
aactcagagt gcaattgtga tgaaagtcan tgggaaccag tctgtgggaa caatggaata 360
acttacctgt caccttgtct agcaggatgc aaatcctcaa gtggtattaa aaagcataca 420
gngttngata ctgtagttgt gtggaagtaa ctggctccag aacagaaata ctcancncac 480
ttngggtgaa tgcccaagag atantacttg taccaaggaa nttttcatct atgttgcaat 540
tcaagtcata aacctctttg ttctctgcaa caggaggtac cacatttatc ttgttgactg 600
tgaagattgt tcaacctgaa ttgaaagcac ttgcaatggg gttttccagt caatggttat 660
aagaacacta gggaggaatc tagctccaat atattttggg ggctctgatt gataaaacca 720
tgtatgaagt ggnccaccaa cagctgtgga gcccaaggag cttt 764

<210> 1849
<211> 871
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(871)
<223> n = A,T,C or G

<400> 1849
ctcgntcgat tccgtgctgt cggagctaga tggactagga gagacttgat tttggtgcta 60
aagttcccca gttcatatgt gacatctttt taaaaaaaat aacaacaaaa aaaaanngag 120
agaaangcta aaaaaaaang taggggggtga ccagttaagg gtttnnattc cncatncaat 180
atcngggtaa aacgattncc tgtaaaagta gcttnaangg ttttngctct aaaatnccgt 240
aggtctatcc ttagagcact cacgccatgc tttcttccct gggtttnaaa cttcatataa 300
ctttcanaaa tnggagagca aaaatttngc tngtcactgc acatcaattt aaaaaagctt 360
atttaactta tcaaaacgtn tttattgcca aactatgctt tttttggtaa atttgnccat 420
attaatcggg atgacaaatc catagaatnt atcctttnat gtnaaattat ganctcatat 480
taatcttaaa attttgngac gngtcttttc ccttttttttc cacagtttaa atatataatt 540
cttaaccgac atttttngga acctttacac tttttngggt aatttaantt ttaaaaaaaa 600
attgaaaaaa nttaaatttt aaaaaaaaat ggccnaaaaa accctggtng ggaattaatt 660
taaatttttn aaaaaaattt tccccccccn ttttgggggt ttggggaacc tggccaaaaa 720
ttgggaagnt ttnncntttt nccnnnntttt taaagggncc ctttttttnca ccaaaccttt 780
gggggaccct gggaaaaaan tgggnnnttn ggtaaaaaaa agnttnncnt ggggggaacc 840
cnggntnccc ccnnnaaagg gggnaaaann c 871

<210> 1850
<211> 936

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(936)
<223> n = A,T,C or G

<400> 1850
ttgnancnct ttcgaatccg tgctgtcgcg ggtgagtgag agagttggtt ggtgttgggc 60
cggaggaaag cgggaagact catcggagcg tgtggntttg agccgccgca ttttttaacc 120
ctagatctcg aaatgcatcg tgattcctgt ccattggact gtaaggttta tgtaggcaat 180
cttggaaaca atggcaacaa gacggaattg gaacgggctt ttggctacta tggaccactc 240
cgaagtgtgt gggttgctag aaacccaccc ggctttgctt ttgntgaatt tgaagatccc 300
cgagatgcag ctgatgcagt ccgagagcta gatggaagaa cactatgtgg ctgccgtgta 360
agagtggnac tgtcnaatgg tnaaaatnga agtttgaaat cgtggcccac cttcctcttg 420
ggggtcgtcg ccctngagat gattatccgt atgaggagtc cntccacctn gttncanatc 480
tccaanaang gagaaagctt tttnttcnca ncccggnagc caangtcccc ctttttctag 540
nagaattngg annaantaat tagtangant cctctttgtt ttcggggnan nanaaaaaat 600
tcnnccaaag anccngttcc nccggantcc cttttcttcc taaggggtct ttccggtaan 660
ttccgnantc cntatgggct ccaaaanttg gaaatngggg taattttatg caactctacc 720
aagtttttgg tcaanctaaa aaaanttngg ntttgtcncc cnggggaaaa atttnncttt 780
taatttnttn ancccgngaa ctttttgntt cccctgaaaa nttttccaaa gntttnnggt 840
ttttnnaaaa anttttantt aaaacntttg gnccccccant ttttttaaaa nnatgttttt 900
aaaatcctgt gttctcnaaa antctngttt tngcct 936

<210> 1851
<211> 756
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(756)
<223> n = A,T,C or G

<400> 1851
gtnannncctn ngangcggca gnctgcttnt ngccaancag tcctattgng aggtctnggc 60
tatcaggcca gntgtnanac cactccatgc actgggtgtg ctctgtnggn cagggnctgg 120
gagggaaact ncctntcctt cccttaacca agcatgaatt atgtttgtta gcaaacctct 180
ctgggaatat atgtcaagcc acattcctcc tggggcagct gcaacttcag ggcttcacaa 240
taaacagttc tgaaaaccag atattatctg caatttagca tacagcatgg aattatgata 300
cataattcac tatgcttcag agaatagggc tgcaagaaga taaaataagg gttttaattc 360
ccagctatct ctctcaaatt ttaagagaga tgttatggac tgtgctctcc ccacaacccg 420
gcccataagt cgcatgttga agttcttacc tctagtacct tggactgtga ctatatttgg 480
aaacagggcc tttaaagaga cagttaagtg aaaaggaggc ctttagtatg ggcctagtgt 540
aatctgccag cccttatcag attaataaag ntaaatacnc ngaaagatcc ngagatgcnt 600
tagcgcaang aaagacatgt gacncaccaa gagaagcagc catagcaacc aaaacagtgg 660
ccttagaana atcaaccctg cngtccttgt cttggacttt cacttccaaa tgtaagaaag 720
aactcngatg ttaagcatcc tctgngaatt tgttgg 756

<210> 1852
<211> 762
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(762)
<223> n = A,T,C or G

<400> 1852
tcgtctgaan cgggcagcac tgtcattcat agccaaacag tcctattgag aggtcttgga 60
ctatcaggcc agctgtcaga ccactccatg cactgggtgt gctctgttgg tcagggactg 120
ggagggaaac tacctctcct tcccttaacc aagcatgaat tatgtttgtt agcaaacctc 180
tctgggaata tatgtcaagc cacattcctc ctggggcagc tgcaacttca gggcttcaca 240
ataaacagtt ctgaaaacca gatattatct gcaatttagc atacagcatg gaattatgat 300
acataattca ctatgcttca gagaataggg ctgcaagaag ataaaataag ggttttaatt 360
cccagctatc tctctcaaat tttaagagag atgttatgga ctgtgctctc cccacaaccc 420
ggcccataag tcgcatgttg aagttcttac ctctagtacc ttggactgtg actatatttg 480
gaaacagggc ctttaaagag acagttaagt gaaaaggagg cctttagtat gggcctagtg 540
taatctgacc agcccttatc agattaataa agttaaatac acagaaagat accagagatg 600
cattagcgca aaggaaagac catgtgagcc ncacnaagag aaggcagcct nggcaagccc 660
aagaacagtg gccttagaag aaatcaaccc ctgccagtac ccttgatctt ggaccttcca 720
gctttccaaa attgtaggaa aaggaactcc tgaggttnaa nn 762

<210> 1853
<211> 788
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(788)
<223> n = A,T,C or G

<400> 1853
tactcgatcn nattcgnaac cgtgctgtcg cattaacttt cagtttcccc atgttacttt 60
tgtaacaggg atttgagacc ttaaactgtt catcaaagta agccctaata gaaaggcaga 120
gcaataagag cacatgctga tgtaattctc ctttgcaagg agaatttcat ttagttccat 180
tgtcatatag accagtgtca ccccttttcc ctgattccta ctgttaacaa ctatttttca 240
gtgcctttga agatactgac ccttctacct gcccagctgt ttttaaacag ctggagcgtg 300
atgatggtca taaaatatat aagtgtttta gcatgtacag taaaactagg ttgtttagtt 360
aaacatagag ttttgcctac tttttcaatt cgtttgactg caggtgtggt catttagttg 420
caaaccattt ccatagtctg cttccactgt ccagttaatc tgtttttttc cccttctatc 480
atctgagcat tcatctgtca tttccttctt ttttatttat ttatttattt atttatttat 540
ttattttgga gatggagtct cactctgtcg ttcaggctgg agtgcagtgg tgcagtctca 600
gctcactgca atctctgcct tccaagttga agcaattctn ctccctcagc ccttcctagt 660
agctggggat tacaggtgtg gtatcaccat ccttggctaa tattgtnttt taanaagaga 720
tggggngnca ctatgttggt cangctggcc ttgaactcct gacctcaggg gaatcttcct 780
ccttggcc 788

<210> 1854
<211> 994
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(994)
<223> n = A,T,C or G

<400> 1854
tngntngacg ntgagagacn gtgtaaggcg tgntanagcg agnctatttc attacgtgnc 60
ancctntta tcagtaatac cnaacgactt gccatggagt cacagcgctg tgctacganc 120
caggnnatca gccctaggag ggccnctnag gggagaacta ggtgtncaga aancngtatg 180

tggtgaaant ctngngngan ggtgtgggnt nngantacnt agngnntatc ctnnnancac 240
ttannnnnnn cntttnnccn ngggnntgaa atnncanang ccttngacaa atnngagngc 300
caaagtntng gnnnnanctg nnccttnnna anannnnnct tgtgtnctta ccaaacgnna 360
tttnattgcc cnactnatcn ntnnancnnt gttannnttc ngacnanttt cntgnnnntc 420
nncaacaccc ntcttaaata ttacctncct tntnatgntg aantttanng anancccccn 480
tntcattana ccccnataca anaattntnt nncncntnca tcgntnnntt atatcccccc 540
tnatttcttt ncgncccctc ctnatntgct tgacaanaca ttgtgnntcn nnannntntt 600
ttaaancgnn ccttctctnt ctntactcgg gaaaanactc tttntcacac antctntttt 660
acttntttgg gggggcataa atctcctaaa atctntctcc ncaanacgaa caacanagcg 720
ttctcaaant nggcantnta anactcttct cttacaaaaa ntnttcgngc nccnnnanat 780
caatctccnt gcncncnggg anttttcnct tcatctantt tcttgnggga tnaaaaattt 840
caccccccnc ttntcttngc gtcttngctn nntannctca natnnggngg nttgnnttnt 900
ctcctcctct ttacgggctc nntccccaan ntttngnnnc ntnnnaannt ttntcnttaa 960
anctncttnn gccnncntcc caaacagnaa aann 994

<210> 1855
<211> 914
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(914)
<223> n = A,T,C or G

<400> 1855
ttctgcggac gctcccgcgg agcggaaacc tcattgtggt ggagagcgtg ctcatggcng 60
tggccttcct gggccatgct gatggtgctg ggtttgngcg gagccgctta ccggcccacg 120
gaggagatcg atctgcgcag cgtgggctgg ggcaacatct tccagctgcc cttcaagcac 180
gtgcgtgact accgtctgcg ccacctcgtg ccttnctttа tctacagcgg cttcgaggtg 240
ctctttgcct gcactggtat ngcctttggg ctatggcgtg tgctcggtgg ggctggagcc 300
ngctgcctta ccctcctcgt tgcttacagc ctgggccgcc tcatccncct cactcntggg 360
cctgnntgng cctgtggctg ccacgcccgg tgcccnggtg gctgnagcaa gggnttgcac 420
ctgctagctc accttcant cctctttttt nctggggccc ccctgcgccc tntngngtcc 480
ctgcaacaca ancntggaat ccttcatatg ttngnantca tggncccntt tcggaggcnn 540
ngggncnagt cgtccctgna acaaagaact ttgggncttc natcancaat cttcnatggg 600
ggaaaaatct ttggntatcc aaananccnt tcggnaacan nanctnnggc aanctntcac 660
anncttcttn anccantctc tntaacncan acnttggttt ngnacaaagg tatcttagtn 720
tgggcncaaa ntatttcnna cccgngncgt tcancccctn ggggnncntt tctctnaatn 780
cccttgtctc tannncttna ataaaggngc cctctaaaac acncntgnnc ntcacatctc 840
tcacatctag tttctacnna tgnanactgc actctctgtt ctcnggactn gcgtccnttc 900
acttctttnt tcct 914

<210> 1856
<211> 804
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(804)
<223> n = A,T,C or G

<400> 1856
nattcnaccn cgntcggccc gggacctcag cggcttcaac aagacggttc tgcggacgct 60
cccgcggagc ggaaacctca ttgtggtgga gagcgtgctc atggcagtgg ccttcctggc 120
catgctgctg gtgctgggtt tgtgcggagc cgcttaccgg cccacggagg agatcgatct 180
gcgcagcgtg ggctggggca acatcttcca gctgcccttc aagcacgtgc gtgactaccg 240

cctgcgccac ctcgtgcctt tctttatcta cagcggcttc gaggtgctct ttgcctgcac 300
tggtatcgcc ttgggctatg gcgtgtgctc ggtggggctg gagcggctgg cttacctcct 360
cgtggcttac agcctgggcg cctcagccgc ctcactcctg ggcctgctgg gcctgtggct 420
gccacgcccg gtgcccctgg tggctggagc aggggtgcac ctgctgctca ccttcatcct 480
ctttttctgg gcccctgtgc ctcgggtcct gcaacacagc tggatcctct atgtggcagc 540
tgccctttg gggttgtggg cagtgccctg aacaaagact ggactcagca caactcctgg 600
gaatcttgta cgaaaaccaa ggaagaaaca nggacttcat cttcaccatc taccacttgg 660
tggcangctg ngggcatctt taaccgngta cctgggcttc gaaccttgca catgaaggct 720
aaacttggcg gtgcttgctg gtgaacctgg tggcgggccn ctatctacgt aaaatcccaa 780
acttgataag aaacctttga tgan 804

<210> 1857
<211> 803
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(803)
<223> n = A,T,C or G

<400> 1857
tnattcnacc ncgntcgant ccntgctgtc gaataaaagc aaacagaaca ctccaactta 60
gaagcaataa cggctgccgc agcagccagg gaaagacctt ggtttggttt atgtgtcagt 120
ttcacttttc cgatagaaat ttcttacctc attttttttaa gcagtaaggc ttgaagtgat 180
gaaacccaca gatcctagca aatgtgccca accagcttta ctaaaggggg aggaagggag 240
ggcaaaggga tgagaagaca agtttcccag aagtgcctgg ttctgtgtac ttgtcccttt 300
gttgtcgttg ttgtagttaa aggaatttca ttttttaaaa gaaatcttcg aaggtgtggt 360
tttcatttct cagtcaccaa cagatgaata attatgctta ataataaagt atttattaag 420
actttcttca gagtatgaaa gtacaaaaag tctagttaca gtggatttag aatatattta 480
tgttgatgtc aaacagctga gcaccgtagc atgcagatgt caaggcagtt aggaagtaaa 540
tggtgtcttg tagatatgtg caaggtagca tgatgagcaa cttgagtttg ttgccctgag 600
aancangcgg gttgggtggg angaggaaga aagggaagaa ttaggtttga attgcttttt 660
taaaaaaaaa gaaaagaaaa aagaccgcct ctcctnttgt tgcccaagct catctttgan 720
aaaccangcn gtttgggtgg ggaggaggga aaaaaanggg aanaattang gtttggaatt 780
gnnttttaa aaaaaaaaaa aat 803

<210> 1858
<211> 739
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(739)
<223> n = A,T,C or G

<400> 1858
tcgntcagnn ccgtgctgtc gaataaanca aacagacact ccaacttaga gcaataacgg 60
ctgccgcagc agccagggaa gaccttggtt tggtttatgt gtcagtttca cttttccgat 120
agaaatttct tacctcattt ttttaagcag taaggcttga agtgatgaaa cccacagatc 180
ctagcaaatg tgcccaacca gctttactaa agggggagga agggagggca aagggatgag 240
aagacaagtt tcccagaagt gcctggttct gtgtacttgt ccctttgttg tcgttgttgt 300
agttaaagga atttcatttt ttaaaagaaa tcttcgaagg tgtggttttc atttctcagt 360
caccaacaga tgaataatta tgcttaataa taaagtattt attaagactt tcttcagagt 420
atgaaagtac aaaaagtcta gttacagtgg atttagaata tatttatgtt gatgtcaaac 480
agctgagcac cgtagcatgc agatgtcaag gcagttanga agtaaatggt gtcttgtaga 540
tatgtgcaag gtagcatgat gagcaacttg agtttgttgc cactgagaag cagccggttg 600

ggtgggaaga ggaagaaagg gaagaattag gttgaatgct ttttaaaaaa aaaggaaagg 660
aaaagacagc atnttactnt gttgccaagg ctcatcttga gaaacagccn gttgggttgg 720
gaggaggaan aaagggaat 739

<210> 1859
<211> 786
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(786)
<223> n = A,T,C or G

<400> 1859
tactcgtacn nnnnccgatt ccgngctgtc ggaagaacat aaacaggatg ctgagagatt 60
gggtctctcc acattgcccc ggctgctctc caccctgag ttcaagtgat tcacctccct 120
tggcctccca aagtactggg attacaggcg tgagccaccg tgcctggctg agaagatgga 180
tttaagacat attttggagg taacattgtc aggacttcct gaaggattag atgtggaagg 240
gaaggataag aaacagacca aggataactt tcaaatgtat gcttaagcaa ctggatggat 300
aatgatgcca ttgagtgagt gaaaaacttg atggaagtgg aagattcaga gttcatttct 360
atctaggtta atttgagaca taccagagca taagttaagt aagtaattga atattggagt 420
ggagacttat ttgtctaccg aattattgtt ttctttgtcg gacatacacc tacactgcat 480
tcctcaaagt aaaatttaag tgtggctctg tgcctatgct ctccccagcg gaaagtgacc 540
agaagaggtg tgcagtttcc aggcctggcc catacagacc tccaacangt gctcccctgt 600
gctgttactc cttctgccac tggaagcaga tggtgaccag ctctggaana angcaaggcc 660
tgaagatggg agattcctaa gtggaggaga actgngccct tctgacctaa atatncactc 720
atattggtat gtgaagaata aataaacctt gtgttgaccc nttaaaaaaa aaaaaaaaaa 780
aaaaat 786

<210> 1860
<211> 1431
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1431)
<223> n = A,T,C or G

<400> 1860
cgnnggccnn ngngnnnnna nngaaaagnn annnnnannn nnnnnnnnnn nnnnngnana 60
gaanangnnn nncnnnnnnn nnnnnnnaag nagannnngn anncaanngn nnnnagagaa 120
nggngcacga gannnnaccn ggcgagaana nnncggngag agnaanngtc naggnnnann 180
nnnnannnnn nnggnngnta tgacgtnnaa acccttcggg nnagacangn ccgccagtat 240
ggccaggctg ggggacnnaa ctnggcggac tacgggnaga ccnggncgnt tttggcctct 300
tttttntgcg cgggaannag aggcggagga nccacgnnna cngggccgaa ancanggccc 360
nngtcnataa ngncgcnnan nancgcgcng gangggcgnn cnngnaagat gancggnnan 420
gcgcnnagan angaggcnan nnnggcnggg caagcnnnna nnggnagcag ngtgngnaga 480
naangnccga ggcngnngnn cgananngng gantcgggag ncannggnna ngagngagan 540
acaaaanggn aatgggcgna nnnncgnggn gnncgnnnag cnanggangc cngagnncgg 600
gngacannca gcaagagnca cnncngangg nagacntccn gcncgnaggg aaagccnana 660
anangcgcgn ctggcnnang cggnggnngn aagagngnag nncgnnngnn nnnnggnggg 720
tgcgacgacg aggncnnggc agnaggcaag gcanggcgcg ggnnnnagag gnaaagcgcg 780
naancacgnn gnggagngnn ggnanggata gcggngaaan acgacggnan ggggacagna 840
gnngaggnag cgnagcggcn anacgcgnnn gcggacnang cggnangann gnanggcacg 900
ngggaangng gnggnagaga gngggaangn ggngnangnn gcngcnnaga ggggacacgn 960
gggngggggg agnaaagnng nnggagganc gnggnnatng naatnanngg gnannaacgg 1020

gnanangggn gcgangcnna nnncaaggga ngngcgancg ganggggnan acgctaaaag 1080
cgnaaagtgg anngagggga anngcggata nnnngnantn ntangagaag anaagcganc 1140
gagggntggc gngcgaaana nanacgggag gannacaaag cgnncanggg ggggcncgag 1200
nggggnggga cngggnnnng aaggggggga cggnccnnna ggggcgcncg angnggcana 1260
aaatgaagag ggnggggagg gnggacntgg tctgnggcga agaaaagngg cnggcacgna 1320
ggacaagaaa nngggggggn ngggganaana ngacagggng gggggggaagg tngaaaangg 1380
nggaanaagg ggaganannn ncccnggggn ncgtaannag nannannnng c 1431

<210> 1861
<211> 756
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(756)
<223> n = A,T,C or G

<400> 1861
ngtcnnnanc ccttccgcag cgcagacgga accgcgatgg tggcaccttt attagtgatg 60
cagacgacgt cgtgagtgcc atgatcgtca ngatgaatga agctgctgag gaagacagac 120
agttgaacaa tcaaaaaaag ccagcactga aaaaattaac tttactgcct gctgtagtta 180
tgcaccttaa gaagcaggac cttaaagaaa cattcattga cagtggtgtg atgtctgcca 240
tcaaagaatg gctctcacct ctaccagata ggagtttgcc tgcactcaag atccgggagg 300
agctgctgaa gatcctgcaa gagctgccta gtgtgagcca ggagaccctg aagcatagtg 360
ggattggacg agcagtgatg tatctctata aacaccccaa ggagtcaagg tctaacaagg 420
acatggcagg gaaattaatc aatgagtggt ctaggcctat atttggtctt acctcaaact 480
acaaaggaat gacaagagaa gaaagggagc agagagatct agaacagatg cctcaacgac 540
gaagaatgaa cagcactggt ggtcagacac ccagaagaag acctggaaaa ggtgctgaca 600
gggagaagag aaggctctta gacctgggag atnctggatt tgtgccccgt gccaagggtc 660
ccaatgcctt caaacaagga ctatgttntc aggcccaatg gaatgtggaa atggagtcat 720
ccaggtttca gcgacctcca aaaaggtatc aatccn 756

<210> 1862
<211> 778
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(778)
<223> n = A,T,C or G

<400> 1862
tnacantgaa ctctttggaa ancccngct gncgggaagc tcgatgtccc aatattggag 60
agtgttgggg aggtggagaa tatgccaccg ttttnccacg atcatgttga tgggtgacac 120
atgtacaana ggttgcagat tttgttctgt tnatactgca agaaatcctc ctccactgga 180
tgccagtgag ccctacaata ctgcaaaggc aattgcagag tggggtctgg attatgttgt 240
cctgacatct gtggatcgag atgatatgcc tgatggggga gctgaacaca ttgcaaagac 300
cgtatcatat ttaaaggaaa ggaatccaaa aatccttgtg gagtgtcttt actcctgatt 360
ttcgaggtga tctcaaagca atagaaaaag ttgctctgtc agggattaga tgtgtatgca 420
cataatgtag aaacaagtcc cggaattaca gagtaaggtt cgtgatcctc nggccaattt 480
tgatcagtcc ctacgtgtac tgaaacatgc caagaaggtc agcctgatgt tatttctnaa 540
acatctataa tggtgggttt aagcgaagaa tgatgaagca agtatatgca acaatgaaaa 600
gccccttcgt gaggcagatg tagactgctt tgacttttag gacaatatat tgcagcccac 660
aaggcgtcac ctttaangnt ggaagnaata ttattacctc cctgaaaaan tncaaatact 720
ggggaaaaaa gtagggaaat ggaccttgga attcaattat aactgcaaag tggnccct 778

<210> 1863
<211> 1574
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1574)
<223> n = A,T,C or G

<400> 1863
cngaacnacg gngnacanng gggnnnngcc nnnaaggggn agaaggggng aaannnnnan 60
nggggnnnnn gggnnnnaan nggangnnng ggaaanccga nnanggcngn nangncnaan 120
gnnagcggng ncaagncngn ancgggaccn ggannngcnn ggngggnann ncaangcgga 180
acggnnangc gannnggngn ngcnaanggg ananggnnng cagcacgaca cagaagnnan 240
ngcaaggann nnnnnncnnn nngnnntcgg gaatnccgga aanccccttt tgggngaann 300
gnaccgcacg caaganacgc agggacgggg acncnccnac ngactnggng acgccggncn 360
gctccnacgn gcacngcang ncggnacnga ngnagacacc anngcacgaa ngaanggcgc 420
cgggcaggng agnggnctgg cgggggcngc gaagacnggn ggncccacan ngaagcaggg 480
ngcnatgacc gancctnang caggcgcncg aangggaccn tcgacncgca tgnnggagna 540
aggagggnag acgagaancg tacccngcag gnaagantgc agggnggngg ncgcngcagg 600
cgncntgggg cgncnggcnc angngcganc annngnctcg ncagaaggag nagcccgnac 660
cnanatngng agacgccnan gccacgnagg cncnncgngn angaggnang cnncanccna 720
ggcncaaagg ggacncgggc gcagagncgg acaccacgag gangggcnag anggnnnggg 780
ngcanggaag nccggngatg cgncgagngg gaangagnng nccagggagg ncgacnangg 840
ccncnnngng cgngggcnca gaacanncta cgangaancg gngnncgagg ggcncacagn 900
ngtgcccgnc atggnnggca gnaaaggccg agcgnccgna ggcancgcgg ngcncanant 960
agganagggg cngcatctaa ggggcncaca anaaagggnn gngaagcgnc aggnacnaan 1020
gggnggncag ggnacgnggg cccccgnccg aaaccanacg nnagcnaacn ngggggcgan 1080
acgccgaggn gggcananac ggcgccccna ncgaggaggg tcncccacnn gnggggnaac 1140
gcncagangn gagcangnta aacacngcgg gagcgaanng ggggnnncac agcgaacgnc 1200
gtcgntntan gcgggagggg ggaagggnag gaaaaannca anncncncga gngngaaanc 1260
nacggggang gcaancntan gcgncnngna ccnccctcgg gnggtcgggg ggagccncac 1320
gggggngcag caacgngana aaantantaa cgtacnnang gaaagggggn ggcngcngcc 1380
gnancgaatn gacangggnc anacgngaag gngacngaag gggggggngn ggcgacanna 1440
aaggggncan gacgggacng nnggggnggg gggacggacg ncacgngncg cnnntgcngg 1500
ggggncggan ngcggngaag ggangcgnnn ccnggacgna aacnaacgcn ngngagcgca 1560
cgcggggnag agcg 1574

<210> 1864
<211> 747
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(747)
<223> n = A,T,C or G

<400> 1864
tnttgtaccc cctntcgant tccgttgctg tcggcctcgg ccccagcagc cacagcagga 60
ggaggtgaca tcacctgtcg tgcccccctc tgtcaagact ccgacacctg aaccagctga 120
ggtggagact cgcaaggtgg tgctgatgca gtgcaacatt gagtcggtgg aggagggagt 180
caaacaccac ctgacacttc tgctgaagtt ggaggacaaa ctgaaccggc acctgagctg 240
tgacctgatg ccaaatgaga atatccccga gttggcggct gagctggtgc agctgggctt 300
cattagtgag gctgaccaga gccggttgac ttctctgcta gaagagacct tgaacaagtt 360
caattttgcc aggaacagta ccctcaactc agccgctgtc accgtctcct cttagagctc 420
actcgggcca ggccctgatc tgcgctgtgg ctgtccctgg acgtgctgca gccctcctgt 480

ccctttcccc cagtcagtat taccctgtga agcccccttcc ctcctttatt attcaggagg 540
gctgggggggg ctccctggtt ctgagcatca tcctttcccc tccctctntt cttccctctg 600
cactttgttt acttgttttg cacagacgtg ggcctgggcc ttctaacagc cgncttctan 660
ttnggggcta gtcgctgatc tgccggttcc gccacctgtg tngnaangag gccacnggca 720
ctangggaac cgaattctac aatcccg 747

<210> 1865
<211> 858
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(858)
<223> n = A,T,C or G

<400> 1865
atttctnaaa ccccttttcg antccgttgc tgtcggatat ggcaatgcnc ctgccccggc 60
tnaaccaccg gcggtgcncg ccagctgtan ggttttccnc tcccagtngc ctgcaggtgn 120
cnacaagaaa gaaggcncag gncgctcaaa acagntaacc agccttcact tgaggactgg 180
tgtgaaggtg cttgntactg ggggaagtga ntctgaggga ggggccttac cacaagttac 240
cttggaattt gggaatgatc ccaaantncc aaagacgtan aactnggatt gctcggnttc 300
caaaactccg ctgcaggaat gcttgtcctg gtgctgccca tctngccttc tgggctgcgt 360
ctttctgcct actacatctg tgttgcagat gaggatgaat acanggantt tttcnacctn 420
gatcatgccc acacccttct tgangggact atcaaccaga aangaaaggc attggccatg 480
ggatcaattt gcttttncca aaagcctttc cttaatggat gggntgaatg naaaaaatat 540
tgaagaaaga accatttatt taaaaaagtg ggaagaatca aaaaccnttt ttacaaaatt 600
tcattggaaa nccgnaaatt tgcttggctt tggtncangg aancccanan tttttggang 660
gttatttccc tnggagtngg ganaagnccc cctctttttt tgaaccttgn cctttacaat 720
ttnaaaaaag tcaaccggag ccttccccaa ccctngcaac ccaagttgtn gggaagggcc 780
caaaaggatt ttttggangt ttcaancntt ntgcccaccc cctgggtcaa cattggttca 840
aanaaatggc ttaatttt 858

<210> 1866
<211> 1298
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1298)
<223> n = A,T,C or G

<400> 1866
cnccnncacc nnnnnnnngn nnnnnnnnnn nnngannaaa nnnnnannnn gnaanngcnn 60
nngnnnnaan nnnnanngca annnnnnann ngnnnnnncn nnnnnnaann nangangcga 120
nnngcnnann gannncggan gcgnnnacnn ccnanannnn anngnnacnn nannnnagnn 180
gannnacnng nnannnanga agngangnaa cnnnnnnnnn nnnnnnntag aaacggaaac 240
cccnttggcg aaagnccngn gganggncga gcncgnccnn gcggggnnng ccngaggaac 300
cnggnngncc ggcnggaaag cgggggggcgg gggggcatng gcaaancgaa aaggcgggac 360
cggggccggg gggggggccag gncctagacg gccaaagccc ggggaggggg gccccaanga 420
aangcgnacc ccggggccnc anccganccc aaaaaaaggg annnnggggg cgnaggaccc 480
cagganaaaa aaaaaaggnn gtnaagaanc cggnaaantt nnggaaaaan aaaaagccng 540
gnccangggg naaannnntc cttntccang gggcaagccn gggagaanga ancagnnagg 600
cccngggggа acaaggancc cccgacctgg nnccgaaaan tnttncggcc tnaccanggg 660
gcgaacnaaa aanaaagggg cccggggngc canccccnaa gcccnaaaag gaggaagngg 720
gggganacc cgggaaccng gnaccccncc ccagggaagg ggcccaagng nnagggccga 780
ngaannaagt naanccagna aggnnnnaaa aaaggaaaaa atnncccacc anaaaaggga 840

ntananggga nanggccacg ccccaaaang gaaaaaaagg ggggccatgg gggnnccccn 900
ngggannngac ccaaaaacnn nccnaaagan aaaggggggg gaaannaccg nggacnccaa 960
angggnnacc cccccaaaac ccaaagggnt cttcccnccc caagggaacc agggcccaaa 1020
aaaanggggg gtnggggga aaaaantngg ggaaaaaccg gnaaagaaac canatcnagg 1080
gcgcanaaaa gggaaaagga aangaaaagc ccnntatncc aaccctntgg gggacnagng 1140
gataaagggn acccccggga naaanagggg ggaanaactn gganggaaat naanaagggg 1200
aacaaagaag naaagggccc ngnacgggaa ttaanggggc ccgccaacaa naannaangg 1260
ganccanagc cagnaaaggc cngncanaaa aaaaaang 1298

<210> 1867
<211> 755
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(755)
<223> n = A,T,C or G

<400> 1867
tactgacccc ttgcgantcc gtgctgtcgc caaacaaaca ttgcagggtt gatcctagtc 60
ttgaaagttc gggcctttcc tcttggcctg tttctggagg aaatgctcat gaggtgggtg 120
agaggcggat gacatcctgt cgctctggcc tcaccctggg gatgccacat gacagcaccg 180
cagcattttc aataggtgac ccacctgcga ggaggaagga aaaatgtgcc caaggccatt 240
atggagaaca aacacctatg cagttggaga atgctgaaga cacccaaggg tgttgtcctc 300
tccctcctga gagaagctaa gaagatccag gcttagagtg ctacagaaat agagatttag 360
gatagaaaaa aaggaaggat ttcctaacta ccaccagggc tatgaggcac tgatatgact 420
tacttgtgaa cacagttgta tagaattgtt atgtggcaaa gacgaaagat cacgctggaa 480
tgtcttttca cgtatccctt ggtggcagca gtgggcagca taaaagtaca agatggcagg 540
tggaatcttt aaccttgtgg tctggangcc gcatgatagg gttgcagtgt attttccttc 600
tctacangct tgggccctca ttctgttttc tcacattcct ccatcctant attctttgaa 660
tcctgtctnc ctncccttga gatctggctc taacttaagc ccaatattca gaccaacttt 720
accttgtctt tttnaccaat cacaggccga ntttt 755

<210> 1868
<211> 758
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(758)
<223> n = A,T,C or G

<400> 1868
tnttngaanc ccttttcgaa ttccgttgct gtcgggtttc tcttgaatta ttttggaaca 60
atgccaggat ccaaactgat taagttacag tttaagcacc cttcagtatt aatatatacg 120
gtattatata acaggtcaac aagtgctctt tgatgataaa acttgtaata gagcaataat 180
tgtaaatggt taccatactg taagatattt tgataaaaat taactagtaa tacttgtatt 240
tatttgaaac actgggctgt ttgcacagct ccaactgtgc atgctcaaaa tgtgcacttt 300
ttaaaattgt tacttttaat gcgtatcttt atatgggatc tgttatagta tactagggca 360
tgatatggta tccttttgag tgaggtatat actcatctca caagtgaagt gcctactgat 420
attactaaag tacattatgt ttactcaagt aaataatttt ctccccatgg tacactctag 480
tgtaggctat tcataccaca ctgaaatgaa caactgaaga ataaggctaa gaaccaataa 540
aatatttctc taattgctag tgtaaaactg tatccaaatt tcagaaaaga cagcttcagc 600
ttgcaaattc tatcctctaa acttatctgg gcattcttcc cccccacccc cattatataa 660
gggctatttt agatgcttta accctcccca caaataattt ggccaggtgt tccaatgaga 720
acttatcatg ttnggtggtg ttaaggnaaa tcgggcnt 758

<210> 1869
<211> 764
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(764)
<223> n = A,T,C or G

<400> 1869
ntatctttag accttngtgc tgtcgcctaa actcggagca gtgggaccct gaagatgtgg 60
aacctcgaag gcagcaaaga aaatntngga ncctnttggg atcccgggtg nccccaggnt 120
ttgggggggc cagncccnct ggntggngan gantaanacc ttctggancc cagntcanca 180
ncttaaaacc canggtcagg gnttcgttca ataacgccag cgggaatcaa tctgcactgg 240
caccgcggca ggaactgaaa ctgcctggca agtgaggaac caggagccgc actgagtgtg 300
gctgggctac atcatagctc atcacggagc tacgactttg ggtactgcgg acagacctgg 360
ataggcccag cattcgttct gaagatcaca gttcacagaa gtttttgctt cgtaaagata 420
atccaaagga tctcagaccc cgctcttcct tttcccttca ttcccttgag agtcagccat 480
gaacggaata cctgctaggt tccaggaatg agctcaccta acagatagca aatgtgtctg 540
gttagatctc aacagagccc attctgcaag acctggctga ccagatgana gggtgggccc 600
tgtgctgggg ggccttgggt cacacacang aaccgagacc tggcttccac ccccagtcac 660
ccactttggg ntatcttgct gggaagttat cgatanggac tgtgtnggcc aaccaagtgc 720
tttgggaaga tcactggcac ttgcaaaacn aaacaaaatt gctt 764

<210> 1870
<211> 750
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(750)
<223> n = A,T,C or G

<400> 1870
ngnntgtaag ccttngggct gtcggtagga ttataaatgg gtttaaaata cgtattctca 60
aacctcattt tcagcatata aatttttaag antnagtgtt ttaaaggtnc cgtgaaaacc 120
atttgctaga tttttgtcct agttttttt ttttaattta aaaatcttaa gttttttta 180
gtaagcttaa gancccagta gtttatttgc cgaccgcatt tttaaaaagn gaatagatgt 240
ttaactgaag ttaaatacaa atttatgtct gggtaactct tggtaagata taacaaaacc 300
tagacatcta aatttttttgg aaatttttat tttaaaagtt ggtngggagg taaaatnggg 360
ngactttcct tctggttaat agttttatag ttaanaanaa agccagcgaa gtttacttga 420
tctcagttgc actcaagaat aggggattta agttccactt tggttatttt cacttctacc 480
ctaaattcat aggccctgat acttaagctt acccttggct tccagttttc attgcagcga 540
gnaaatgggg agtagcanag cctttgttaa tgtaaattga caaaaaggtn tgtccttttn 600
tacaggagca gataaactga taatggtntt aaaaaatgta naaaatgatt tttgtanaca 660
ggatgatctg tctanattgg agcaaatgan gggncatntt ccaacaaagg tgggcccctt 720
catttaataa acacccccaa caacaaaang 750

<210> 1871
<211> 750
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(750)

<223> n = A,T,C or G

<400> 1871
ctancntttc gancccgtgc tgtcgctgga attttcttta ctcctgtatc tgatgtctgg 60
gctgcgatga ctcaaaggct gatttcagct ganactgtag accacgtgcc tacttgtggc 120
ctccccтttt gccttgggtt tctcacagaa tgtggctggt tctggagaat gagacttcca 180
atgaaatcag gtggaaatga catctcgccg ctttcagcat gctctattgg ttggaacagt 240
tatggactta gctagattca aaggaaggga acaaagaccc cctcctctca gagagtgggg 300
cataatgaga gaatttaggg ccatgttatc caaccaccac aaatgccttc tgaatttgag 360
gttctgcctc aaaagttcat agttcctttg actgaaggac ttctatatat ccaagcatcg 420
tcagccccag gtatattgtt ccatgtaagt gaccaggact accttagtat ttcgtatagg 480
gaaagtgacc tgaataaatt tgagaaaaga atcttncttc tctccagtaa gcactgaggt 540
aagcattgag ccatattata ngtttatgac tttgagactc agaaatttaa attcttggcc 600
aggccaatgg ctcaccctgt accccacact tttgggaggc cangcagcag atcactttga 660
gncaggagtt tgaaaccacc tggnccaagt ggngaaactn cttctntacn aaaaaaacaa 720
aaattaccnn gngtgnnggn ggcccctgta 750

<210> 1872
<211> 758
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(758)
<223> n = A,T,C or G

<400> 1872
tattntaccc cnttcgantc cttgctgtcg attcattttg tataatcatg tatcctcttg 60
tgtgctggta gagattttaa tcctgatttt tccataaaac atgagtatta agaaataatt 120
cctgggtttg gagaaactgg agaaaatcac ccttttaagg aagaaacact ggaaatttct 180
gctaacacca agatatttaa gagtgtcata gtaggtgctc aacaaattta ttgaatgaat 240
gagtgaatgg aaaaactggg agagtcaaaa gtgagcagaa gctctccatt tctacttctg 300
tcacaaacca cattaaattg taaataaggc ccttctccac ttgacttcag gcagcagatt 360
gtctagaagc ctaaggacag caatttctct gacaagacaa agtagatatt ttataccagg 420
ggttggcaaa ctactgccca cgggcccgaa tttggcccag tctgtttttg tatggtgcaa 480
actaaaaatg atttttacat ttttaaagag ttataaaaga aaaaaatatg tggtctgtga 540
aatctaaaat atttactacc tggcctgttg gaggaaangt ttgccaatct ctggtttata 600
ccattaacta tgagattaac caaaaacttt tacctttgtg cagaaaggtn aaaaaaaaaa 660
catggttaag gnaaaggana catgttacct ttcatacact ccttttaact gngggatttg 720
caaaaaaata aaaatanccc ctttnaaaaa aaaaaaat 758

<210> 1873
<211> 758
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(758)
<223> n = A,T,C or G

<400> 1873
ttntnttanc cctttcgant ccgtgctnnc gcangaatgn ngttcctctt ggnancnccc 60
gggtggncng tttnttnttn ngcccnggtt ccggcccggg gcccctnggg gngtttacnt 120
caattggggg nttnaaaang gcntnttgta angggaaacc tttnnntgaa atnntncagg 180
aaaggaaccn atgggganggg accaggaggg gaannccgnn ntaaaccnct taaaaanttt 240
tgttgaccgg gtttccannc ggaattcctt tggggagggg gngctggnga aaatnctgct 300

tgggagatcn cattagggan ctccccgttt tgaagaagaa gactcantgg gaagacanan 360
gaagaagaag atgaattctt ttggccctca aaaccccccc accaaatggt ctttggnnaa 420
gaaaanagtt tcntcncaca aaatatgaaa acnanggaaa ggaaaaaatg gatgcnttgc 480
ttagaggtga aaagaaagag agcnccgaac cgttnggaac gacntttgng aanaacagga 540
tanaacctcc ccgggantgg gaaaagacag gaagaaangg gaaatggcaa gggagcattc 600
cangaaanaa anggaccctt ggacnattaa aaangaactg gagcgggacc cangatcccg 660
gagcacacaa ggaccacggg acnaaagacc ctaccgccgg ccgangaccg ccaggacgga 720
ggccccagga atgtttgcnt accnacgtga gagggctc 758

<210> 1874
<211> 1001
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1001)
<223> n = A,T,C or G

<400> 1874
cgccngacnn gnncgannan nnnncnnnnn nnnngngang annnccacgn ngnannnana 60
cnaggngncg ncggcgnacn ncnagnagac gacncannnn acnannnnnn nnnnnnggaa 120
nnaccgnngc natccngaan cgnngnngac gcanccgacc ccaccggccc ggnnccaang 180
ngagcgggna gcnggcngtt tnnganngcc gcaccccaag aaaacagggg cagnccgaca 240
gacccanagg gnnccacang agangggacn nggggccaca gagccggaca agaccngnag 300
nacacagagg ggaggggagg aacgacgaca acaggccagg cggccaanga cnggggnccn 360
ggcnacacac cagngcaccc ngacncnnga aaagcccnng cngaaccccc ncgaaagngg 420
gggagacaca ncccgggnna aaanggcnac agacnccncn ggggacagaa gnagagagcg 480
gnaaacnggg agggagnngg naggcanngc acaggngaag gganagcccg aacgccctag 540
gggcgnnaca ggcgancaca gnaannangg nagcnggggа gagccnggna cacacacana 600
cccgngaaac nggggcgnag agaccngcgg cagcacgcan gacccggcnn ggnaagaanc 660
cnggacagng gcngnngaac naagananna cnngggnnna gncnaccccc nnancngacn 720
cgngggccag anacccncaa cccccggagg gncagnangg gncnaaccan gancgnaggg 780
gnggcgngcg caccaaagac anccccgggn cnngnnggag nnacaggnga ccnggagnna 840
gccggcncgg ccnggggaga gaaacncaaa gncggagnca nccgcnnacg cccggnagnc 900
angacaacgg agagcggngn gaggggaggc aagcgaccgg acggcanccc ccngggagcn 960
gggannngnc acncggggnn nnnagcgaac cngcccaccc g 1001

<210> 1875
<211> 1447
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1447)
<223> n = A,T,C or G

<400> 1875
ccccccccnnc nnccgnccac canccacgng aanannnnna nngccgngnn ncgnncangn 60
ggncggccac gngcacnnga acgnacacnc nncncgnnnn nnncccgncg ttngaacnca 120
tcganccncn nggccccccga gncccccacgg ncccccatggg ccngggggggc agngggggggg 180
gggggggngt tttnnncnnt tccnnccncn agcgacngng ggggannngg ggaangnctn 240
nggncncgct nntcncccccc acnncnacca gagggagcgt nacnncgcnc gngaggggcg 300
ngnngcccnc ggcnccgnna gcncccctncn tcncnacccn ggcngcggcg agggncgngc 360
atcagatnnn ngnanncncn gngnngccnc cngcgcncnn gctgcntcgc cnagcancgg 420
cnagacggac ngagcggnnc ncagccancn acgncggtcc gnancgcntn tnnngtncgt 480
cgncgtncgg ccgncgcacg agccgannct cgcgcactgn ccncgngcgn cgtnncggnc 540

09534903.090104

gntgtcnnca cgntcngntg gcangnncgg nacgcgnanc ggccgnacgc gatgaatgng 600
cgcgcnggcg nnntccggcn ncgcgcgcng caggngnggc ntnnnanngg gnacnnanng 660
ncncngtgcg cgagnncncg accagactcn cggccnacgn nacgcncgcn gnggggngaca 720
cgtgctgcat gngnancggc gcggnangng gatgggcnng nncgnganac gcatacgccn 780
cggtanngcg ntcgcgtnac ncgaccgnta gngtcgccnc tcgcggagng angccggcgc 840
nanggtacng aaaccgcacg canacnnncg ancncngtnc ncacgggcgc cagncgacgc 900
acgncnccgc gagnnaacgn cggancggng ntcngngnng ctcntcncgc acngacgcgn 960
tncgngnana cggcgcgnnn ntncncncng gaggcangnn gcccgacgga tctgnncgnn 1020
canacgngcg ggngncacgc ngncaccnca cccgcgcacn gncggcacgc gcgctcggnn 1080
gcgnncgnag tgaccacgat ncgacgcgnn cggtcgcgna ctcncgnaat gcagacgtgc 1140
ncgaacgcaa acngcgcgna cgnncnggca gaggacgncg taacggagac gngtngcgaa 1200
cgaccgcgca cgngnagnnc tncgcacggc tacgnngctg cgnacgngna agngnnagcg 1260
ggnnngcncn cgtgatccnn cncgggatcg cnannncaca cgtangcnag cgntggcgcc 1320
acgcgcncgc gatcacgnnn nnnacgcgcg gggacnggng gagcgnngnc ataggaaacn 1380
cgcanccgac tagnaatnng ctncncgcat ngntngccgc tagggcangc nannccanac 1440
gngtgcc 1447

<210> 1876
<211> 735
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(735)
<223> n = A,T,C or G

<400> 1876
atnncgttca actacttgtt ctttttgcag gatcccatcg attcnaattc cgttgctgtc 60
gcantgagcg ggtctgggcg gntgctggca gcgccatgga gacggtacag ctgaggaacc 120
cgccgcgccg gcagctgaaa aagttggatg aagatagttt aaccaaacaa ccagaagaag 180
tatttgatgt cttagagaaa cttggagaag gattactgta gatgcagtat atggaatcag 240
gaatcttaac ttcatgtgag ctattggagt tttccttgct atcaggatgc atagggaggt 300
cctatggcag cgtatacaaa gctattcata aagagaccgg ccagattgtt gctattaagc 360
aagttcctgt ggaatcagac ctccaggaga taatcaaaga aatctctata atgcancaat 420
gtgacagccc tcatgtagtc aaatattatg gcagttattt taagaacaca gacttatgga 480
tcgttatgga gtactgtggg gctggttctg tatctgatat cattcgatta ccaaataaaa 540
cgttaacaga agatgaaata gctacaatat tacaatcaac tcttaaggga cttgaatacc 600
ttcattttat gagaaaaatc accgagatat caaggcagga aatattttgc ttaatacaga 660
aggacatgcn aaacttgcan attttggggt agcangtcaa cttacagatc catggncaag 720
cggaatacat gatag 735

<210> 1877
<211> 735
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(735)
<223> n = A,T,C or G

<400> 1877
annccttatn cngatcagct cttgttcttt ttgcaggatc ccatcgattc gaattccgtt 60
gctgtcggtg gaggggccgt tcnaagagtc gtgaggggggt gacgggttaa gattcggaga 120
gagaggtgct agtggctgga cttgacctgg aaagaatctt ctgctgactc tcaacttttc 180
ctggaaaaaa tggatcattc ccaccatatg gggatgagct atatggactc caacagtacc 240
atgcaacctt ctcaccatca cccaaccact tcagcctcac actcccatgg tggaggagac 300

agcagcatga tgatgatgcc tatgaccttc tactttggct ttaagaatgt ggaactactg 360
ttttccggtt tggtgatcaa tacagctgga gaaatggctg gagcttttgt ggcagtgttt 420
ttactagcaa tgntctatga aggactcaag atagcccgag agagcctgct gcgtaagtca 480
caagtcagca ttcgctacaa ttccatgcct gtcccaggac caaatggaac cattcttatg 540
gagacacaca aaactgttgg gcaacagatg ctgagctttc ctcacctcct gcaaacagtg 600
ctgcacatna tccaggtggn cataagctac ttcctcatgc tcatcttcat gacctacaac 660
gggtacctct gcattgcagt agccacaagg ggcccggtac aggatacttt ctcttcactg 720
gaaagaaggc agtgg 735

<210> 1878
<211> 978
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(978)
<223> n = A,T,C or G

<400> 1878
ggacctntgc tcttgttctt tttgcaggat cccatcgatt cgaattccgt tgctgtcggt 60
nntgtnagat cactgggata ttttccacaa cttcctctnn tctagcacac acatntgttg 120
ntnggaaata tttgagggtt tttccnctac caaatgggag cttcatggtc ctggtgtcaa 180
acactataac cttgaccact gactntgatg ntggcacata tctgagtcct gtgtgcacag 240
taatattctg ggtcaaggaa aatccangtc tttcaagttt taaanggatt tttgganaaa 300
ttcgggcctt ctttttaaga ccgaatncca ttggccccaa atttncacaa aggctttggg 360
tggaacaagt tgggaattaa ccaaantttt ggtggttggg gccaaaaaag tttncccaaa 420
gggtttggnt taaccaacct tgggnggccc ntttttaaaa aaanccaaaa aaaanccttt 480
taaaanccct gggccatttg gggaaaattn gggttttnaa acccttttaa ggnaaggaan 540
ccccccnttgg gaaagaaatn ccttaaattt ttnaattcca aaggggaanc ccccgggga 600
aaaggnaant tcccacccaa ccttttttcaa aggggtcccc cattttggcc anaccctggg 660
acctttttttt tggtccnttt gggngngaat ccnttcaaaa acccccttggg tttgggaagc 720
cccctggggg aaaaggggggg gcccnttcca accaantttc ttggtgggcc ttttggaata 780
nttaagcccc ccaantttct tnnaccaagc cnccnttacc aaaggccccc cattnaattt 840
ggncccncan ggaaaaaccc ccnnggaatg gggaaaaaat tgcccagtta nccccccatgc 900
cactggaana ccttaanaaa aatcgttcct tactnnggng aaaaangtat tatggatgcc 960
antaaagngc ccactggg 978

<210> 1879
<211> 694
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(694)
<223> n = A,T,C or G

<400> 1879
attcgntaca agctcttgtt ctttttgcag gatcccatcg attcgaattc cgttgctgtc 60
gatgtgtctc tggtacagaa tagttgatat taacagaaaa aaaaaaatct gtagcttcat 120
gaatatgcca ctctgttaat ttcttgttcc agacatttta atagagattg cttgaccatg 180
ttgtttgaat tgctgccaat agcagaccat atccctatca tgttgttggc tcaactgttt 240
tttttttttcc ctaatanana tggagtatcg ctgtgttgct caagctggct tgaactcctg 300
ggctcaagct atccttctgc ctcggcctcc aaagtactgg gattataggt gtgagctact 360
gtcccacctt aacctgtttc acagtgaata tacttcatgc tggtttcaac atgggattat 420
taaaggatta aaagttnggg tggatgcctg taatccnaca tttttggaag cccaggggggc 480
ggtcaccagg cangaaatcn aaacattgga ctaccaangn aacccncttt ataaaatacc 540

naaaaataac ccgcgtggng ggggcgcctt tattcccctt ctttggaact taggcnggaa 600
angggtgnan ccctnagccc aaaangncnt tgcttcanct ngggaaaaaa ggantttttn 660
taaaaaaaaa aaaatngggg gaaaaaaatt ngan 694

<210> 1880
<211> 711
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(711)
<223> n = A,T,C or G

<400> 1880
nnngnttnnn nnnngncnnt ttgatnccat acnncgaatn gatanacanc tacttgttct 60
ttttgcagan cccatcgatc gaattccgtt gctgtcgggg gaaaggtacn tnaaaccatn 120
ngctntatgt tagngactag gagngattga nanancctg gagattgntn anatganctn 180
cagngccnac ggcccattct ttnatagttg gtnctgtgnn ggagaggnnc aggctgtgag 240
cctccaaaca nnatttnaga ccnantggan ngagncntnn nactggacng gtnnnatanc 300
cnnngtgnag gannggngcna antcactngn acggctanna tggcnagngn acgacancag 360
ttccnnngnt ngcgcantng cntacccggn aatcctancg ttttgncgac ngaggcnaag 420
gangnttgcc cnagngtnna accagcgctg agaantacng tgaacccctg nntctgaaag 480
gcaganggtn acngggtggg gngaccnccc ctagacgntn ntantctaag gctgggagnn 540
aagattgttt natcccggaa tgttgatgcn nantgganca nnaattnncc cnatggnnnc 600
naatctnngc gaanaaaaag gggaannttg gcngaaaaan nnanctaatg ggtgnaaaaa 660
angnggntga ntnaacaaaa aaattnaacg cgaaanttta ncagnncgtt t 711

<210> 1881
<211> 672
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(672)
<223> n = A,T,C or G

<400> 1881
ngnnnnnnnn naatananat anacaancta cttgttcttt ttgcaggatc ccatcgattc 60
gaattccgtt gctgtcggcg gcaaattgtg gaacagatgg aaaagaacca ggaggagcga 120
tcgctgcttg ctgagcagcg ggagcaggag aaggagcaga tgctggaata tatggaacag 180
ctccaagagg aagatctaaa ggacatggaa cgaaggcagc aacaaaaact gaagatgcaa 240
gctgagatta agcgcatcaa tgatgaaaac cagaaacaga aagcagaact cctggctcag 300
gagaagctgg cagaccagat ggtgatggag tttaccaaga agaagatggc tcgagaagca 360
gagtttgagg ctgagcagga gagaatccgg agggagaaag agaaggagat cgcacgcttg 420
agggccatgc aggagaaggc ccaggattac caggcagaac aggatgcctt gcgggccaag 480
cgcaaccagg aggttgcaga cagagagtgg cgcagaaagg aaaaggaaaa tgcgcggaag 540
aagatggaaa cagagctgag ctcgaaaaag tcgctcgaca gtggcttcaa ggacacgctc 600
tgctgtcagt gcacggccgg tgattcagag atcttcgctn naaacaatga aagcggtgag 660
aggaaagcca gg 672

<210> 1882
<211> 718
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (1)...(718)
<223> n = A,T,C or G

<400> 1882
nnaccncgag cgaattccgt gctgtcgaga aatntgaaat gcttaattta taagcgggct 60
ggagattttt tccaatattg ttttctttga aaatgaaagg ggatcatcta ttttagtttt 120
ggggtctggg aacttttttga aaatttaatt tgtggaccaa tgttttgtga aagctaaaga 180
gggcaggggt taaaataggg cttgaatttc tcattctgta tagaccagca aacttccctg 240
tgcaaggcaa gtttacatca caaatccaag aatgtttgca tcctaaatgc tagtttgctt 300
cagcccctag ttaacctcag gacttggttt gcatataaaa ggtagacagc tgatatgttt 360
tcatgaataa atattgtcag ccagaaaagg ttggtgtcag gtaatgcata ttttttttaag 420
ctttgtttta tatttatttt tcatttagtt tttattggga atggttttca aagaactctc 480
agttctgcct aggtgttttt gggggagccc tgttttccat agtgtaattc catttaagag 540
gttgtctaaa agtcttttta attaatagaa agattttaat atccaagagt agtcaaatta 600
anggatataa actttccccc ctttctgtcc gtgacagata aaaagccaca gaaagggaca 660
acccccttgaa aatcatgtaa ccgttggtcc atttcaataa tttggtacct tgttttaa 718

<210> 1883
<211> 712
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(712)
<223> n = A,T,C or G

<400> 1883
aattccgttg ctgtcganac caagtgctct acanggcnac ctgtgagccc agactggatc 60
ctggaccaga aaaaggacac tagtgagaca actggcagaa tttgcataag aagcacggcc 120
tcggcctcgg gtggtggagt cactgctgag cccatgacgt tctgcttata ttccatccct 180
gcatttggaa gtcgttcttt gccaggagga aagtgaggaa aaaccagcaa taacaaaaca 240
gcagctctac tgacggagga ggaggagccc aggaggcggc tggtcagggc ccaggtgtgg 300
agggaggcca ggcataggca ccccgacttc tctggaacta ctgacatttt ctcgcaagca 360
gagaggaaga tggaaaggtc agggaggaga atgagggagg ggtctgccgc ggggagccac 420
aaactccgtg gggcacagaa agtgcaaccg tctcccattg aggaaattct ccccaccggg 480
cggcttgcct ctaaacagga tattgcttcg atttctttga tttcccttct ctctctctct 540
ctctctctct cgcaaaaaaa gtcttgattc taataacngc ttagaatatt taaaataata 600
atggtttnaa tggtattggg ttctttgttt cccacccaaa gnttcttntt cttntttctt 660
tttggccaat aaaatttgna aaaattgngg accttcaact tttgttcttg tc 712

<210> 1884
<211> 661
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(661)
<223> n = A,T,C or G

<400> 1884
nctcgntcgc ctaggccccn tggacctggt ctttcagaca catntagccg tgtttcccca 60
tctgctgccc gtgatcccta tgatcagtct ccaatgactc caagatctca gtctgactct 120
tttggaacaa gtnaaactgc ccatgatgtt gctgatcagc caaggcctgg atcagagggg 180
agcttctgtg catcttcaaa ctctccaatg cactcccaag gccagcagtt ctctggtgtc 240
tcccaacttc ctggacctgt gccaacttca ggagtaactg atacacagaa tactgtaaat 300

atggcccaag cagatacaga gaaattgaga cagcggcaga agttacgtga aatcattctc 360
cagcagcaac agcagaagaa gattgcaggt cgacaggaga aggggtcaca ggactcaccc 420
gcagtgcctc atccagggcc tcttcaacac tggcaaccag agaatgttaa ccaggctttc 480
accagacccc cacctcccta tcctgggaac attaggtctc ctgttgcccc tcctttagga 540
cctagatatg ctgttttccc aaaagatcag cgtgggaccc tatcctcttg atgttgctag 600
tatggggatg agacctcatg gatttagatt ggatttccag ggaggtagtc atggtaccat 660
g 661

<210> 1885
<211> 661
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(661)
<223> n = A,T,C or G

<400> 1885
gggggncggc tgagacacat aagtacagaa tcatgacctt aatggtttga cagtttggaa 60
gcaccctggc aacaagccat ttcagtggaa tggtagaaat ggaaaccacg ctgggttgag 120
aagtgagtgg atgtgaaaat atggggcctc tgaatggagg taacccttga aaaattccac 180
tgtggagaag aaaggagaga gagagggctg gaatttggaa tgaaaggaga tatttgggat 240
tattttagta agaaaacaga ggtgtcatga cctcagtgta accctattag ctgcaaaaaa 300
ttcttcatgg gcttgagatg gagttagcca tattcattat tgaaaactat gttctgcact 360
tatacattgt tggttggagt gtaaattagt tcaaccgctg tggaagacag ggtgggtgtt 420
tcctcaaaaa cctaaagaca gaaataccat ttgacccagc aatcccataa ctgggtatgt 480
acccaaagga atataaattg ttctactata aaaacacatg cacacacatg ttcactgcaa 540
cactatttac aatagcaaag acactggatc agtctaaatg cccatcattg atagaatgga 600
taaagaaaat gtggtagagg tacaccatgg aatactatgc accataaaaa agaatgagan 660
n 661

<210> 1886
<211> 1009
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1009)
<223> n = A,T,C or G

<400> 1886
anngnnagaa tttaaanntn aattggnata tnnagngntg ggggggggat tntnntanac 60
tatnnntntt atttntnang aaatnnnntt aggtannntan nantnantnt nnagtntngg 120
ggggnnnntn annanatgnn natnttttttg gnnnngantg gannccgaaa naatggatnc 180
aattnggggn gaaaatatat atatntattn gtnagagagn attangcnnn tanttattnt 240
atnntaattn taaantaact agnntnttag ngtgcacnat tntcntanng natnnagann 300
atcggtatta tacacaantn actaatatnn cgttntngtt ataantgntc atattagatt 360
aatncataca ttatnantnc actgtannnn tttattatag anagnnntat ancnatttnn 420
tnattnntga ttatttatan nntnatnata antcttaant nattttanna tatntattgn 480
aatnctgtta taaaacgnan atgnattgat agtnnnnctt naatnaaaan aaantntctc 540
annntgttaa aaanatanat ntnnacnana ttttgattnt nnttancnag tttcaancnc 600
naagngnacn ttncnnntnn tntacnagnt gatngnataa tnagtgaaan aancttaatn 660
gatnatgntn annatcntna atataataan nattantnta taaaantnaa taanattttt 720
tnntaanatg actnannann aatnnannng anagcntnna ntntataatn tatttttaat 780
antgatacat gntntnagan tanntnncnt tttantnctt ntaataactn tgaaananga 840
tctgaatacn acattagcan gacattgtan ntacntatac ttaaacnatt tatatcncgn 900

cngattatag nttatatnnn tnnatnataa tgtatantnn tttatatata tataanannn 960
tntcatatta ctgttgatat gtctatnatt tnntgagtat anttatagn 1009

<210> 1887
<211> 1035
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1035)
<223> n = A,T,C or G

<400> 1887
atgnccagta tnntagnngg gnttnttcna ntttтcnnaa ancncnntnn antagntatn 60
nggggctaan ngcnggttca nnacngnngc angntgnnnc ntcggggatc attaagncnt 120
tgcttacntc cacctataat cttacnntct cncnanannt agnnatatat tcactagnan 180
agtntannta ttantccgtg naaatntana ttctntctct nnnncnngng ancgttnagg 240
ancgtttgga tnctcttaca tnntcctcgg ganatattca nnagnagtcn ctnagannnt 300
gnctaagtna ntnaacgaca tgacactntc attctcgtna atngatatgt cnnatgnana 360
anaacntttt tcnncttcca tcgatatnnc cttatntncn ncnatatgta gtctntntnc 420
ncgtntttac anananttnn ngaatannтt gggttctgta atctntnnca tctnnatgac 480
nattcccnta nnctaacata tnntcgntnt angnngcana gtattatant tnttanangn 540
cnctctactt cacnnattat nncgtgtnnt antatannca tnttncttta gtnattcacn 600
tngannntga ttcntcatct attcatncnt actnngnntt ctntanactt attntgcntn 660
ttatnnngnn tacnnnnaat tccngnattc gntaatnatg gancctnntn atacnttcnn 720
tgnantntga ncaatgtnan natcnngann tntcctgcgn attntannтn nctnnttata 780
cnnngtcgat tattntagnt cntnnncnac ntacttnntc attnatatct gtctncattg 840
antcannant nancnantna tnnaatttnn tnntatacta tntctnngtt ntnntaantn 900
nnntnntnnt cntcnntann tactnggnnt nangntatat aatatanatt ngcatnnatt 960
ncatgaatgn tnntaangtn natcnacnan nanangatnc tnantctntg agatnntctn 1020
ctnantcgan ccncn 1035

<210> 1888
<211> 867
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(867)
<223> n = A,T,C or G

<400> 1888
tgttntntnn tntnantagc ggggtntatn tttnttntan gnnnttaanc tnnattagnn 60
gggncntgtt gcatttnnan gggggnganc ttnactggnt nagaanngnt gngngntata 120
nctttтatct gtatnnnana agaggggggaa aacttggagn tctctccntg gtaantnatg 180
cantaaggct natggcttan atatagctta ccngttacnt nattnncgtn tactnnatcn 240
ttnnntntgt tctacctnan ttggagcttn ttgngaanng gggcatgacn ctnnacnagt 300
ggntgggann ctgtncacgg tngttggatg canaacatat actgnattgn nnncctntnt 360
agcatacnct ttaanttcna taatcnagtg cnnganctnt aatnactccn tgcctcaang 420
taatctntgt tntatatgta nnnagtntnt tttacnntaa acnttnantg cnctttatag 480
agnagaaatc ntttnanana aaannтatgn ncctcatnaa nannagttca ttttтttтaa 540
ntccantnta ttngtggtgc ggannaanag aagccnncan ncnnncaaaa atgncgntct 600
ntnatntatg aagnnctatn gcntncangt aaanagcctt atttntacat cttnnntcct 660
nntggctgaa ccttgncann nctttnatan tcatnttang gaactatgnt ttatnggggg 720
ntcttattag gtaacnntgt ttatnatnac cacatngntc tntngtactc ataatttnag 780
gttnagnntc agatcacncc ttanatttng gggnnnnnagg nntaacngac ggtcnttata 840

09534500 - 050409

ntgngggagn aagnncaaac taaacnn 867

<210> 1889
<211> 617
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(617)
<223> n = A,T,C or G

<400> 1889
gttgactncg ntactcagct tgctgcctgc aggtcgactc tagaggatcc ccgggtaccg 60
agctcgaatt cgccctatag tgagtcgtat tacaattcac tggccgtcgt tttacaacgt 120
cgtgactggg gaaaaccctg gcgttaccca acttaatcgc cttgcagcac atccccctttt 180
cgccagctgg cgtaatagcg aagaggcccg caccgatcgc ccttcccaac agttgcgcag 240
cctgaatggc gaatggacgc gcctgtagcg gcgcattaag cgcggcggtg tggtggtacc 300
ccagcgtgac cgtacacttg cagcgcctac gcccgtcttc gtttcttcct tcttctcgca 360
cgtcgccgct tcccgcaagt ctaatcgggg tccttaggtc gattatgctt acggactcga 420
cccaaaaact gatagggtga tggtcacgat gggcatcgcc tgnaacggtt tcgccttgcg 480
tgagcacgtc ttatagtgat ttgtcaatga cacataccta ttcgncatct tgattatagg 540
attgcnttcg ctatgtaaaa tactgttaca aattaccgat tacaatatac ntacattctg 600
tcgattctct acttgnn 617

<210> 1890
<211> 742
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(742)
<223> n = A,T,C or G

<400> 1890
ttnattcgnt ctcacgcttg ctgcctgngn angatccntc gnttcnaatt cggcacgagg 60
tacattgtcc tgacactgga aaagacattt ggaatttact ttttgacctg gctgccatga 120
attctgccag tctgatgatc cacccatcat tcttcaagaa cagaaaacag tgctagcctc 180
tgtttttttca gtgttgtctg ccatctatgc ctcacagact gagcaagagt atctaaagat 240
agaaaaagta gatcttcctc taattgacag cctcattcgg gtcttacaaa atatggaaca 300
gtgtcagaaa aaaccagaga actcggcaga gtctaacaca gaggaaacta aaaggactga 360
tttaacccaa gatgatttcc acttgaaaat cttaaaggat attttatgtg aatttctttc 420
taatattttt caggcattaa caaaggagac ggtggctcag ggagtaaagg aaggccagtt 480
tgagcaaaca gaagtgttcc tctgcatttc aaaaccttct tcctttctat agccctgtgg 540
tggaagattt attaaaatcc tacgtgaagt tgataaggcg cttgctgatg acttggaaaa 600
aaacttccca agtttgaagg tcagacttaa aacctgaatt ggaattactt ctgtacaaga 660
aataaacttt atttttctcc tgacnaaaaa aaaaaaaaaa aactcgagcc cttaaaacta 720
tagtgagtcg tattaccgta na 742

<210> 1891
<211> 1005
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1005)

<223> n = A,T,C or G

<400> 1891

tnntnannnn tnancntnnt anttnaaatg taatggtngg ggggncnctt tantcgtnnc 60
tncnntnnat nnaacccccn ngataatncn ntnaaanctg cgttnggggg annntcatca 120
nnatantntg gnnanncncn nanncncnat tntntgttac tcnnagtctn tnngatgana 180
ggttntcttc gagtnctccn ggtnctacnt gtantatnnc gngannnctt cangtactnn 240
tnnataatnc nnnagaccat gtactcngan ntnnnantcc atcntggntc tntccctcgc 300
acgnagtgtn tngnatcaaa ncgnantttg ctctgaccnn ngatngtact ggntnttatn 360
cacanaantn acatntntta ganncttnan tactnnannt tggtnnngnt natctgatnn 420
nnaganangg actnntngag gattctaatg gnaannaagn cngcgntnnn ntntgttgaa 480
nnntgatnat ncgntctanc ttnnnncant gncgaatcng catggatggc gnnttatnna 540
ataggctnna ttgttttgng annttgcnan ngttcaacna nttncancga canttaagca 600
tcncctanna ttcngtttng ggnatnacat nnccatcgnc ngtgtnngna ccgnngaaaa 660
cngtnnttta atngttngaa cntggttagn tangttacnt tttcntcnag nnaaaatcgn 720
cattctngcn ttctaccnaa tttgtanatn naatnatcnt atancatncn gnctcntgtc 780
anacttaatc ngtancgtnt nanncganat ngatatatnn ganncgntnc tnnaaantnn 840
gctangantn gtcntacccn ctagactata tttcctctan tcnntnttat ncgngttaat 900
cancgnctgt gngantgtng agtagagnca tctatatcnt acctcctntt gccacnattt 960
ntatcacaaa tccccttntn ctagcnnntg tatctacntg cncgn 1005

<210> 1892
<211> 1159
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1159)
<223> n = A,T,C or G

<400> 1892

ntnntnnntn gagaggnntn annntttntn cnnttnttna gaggngggna nnaanggttg 60
ganannagcc ctntntctnn ncgngaantn naatntacta agngcccggg gggggggntn 120
gtggtntntt aatctttnaa natnattctt tnttntntnn cggaggntaa cactcangag 180
gagtgtttnt ntatgtngna ntnttattat ttnnatantg ncgncgnntn nntaatantt 240
annnanatat gtntaattct aantagnntn nattaatatt atgcgntanc catctnttgn 300
ctgnntatta ncgtatatnt tannttantn tccttcnnnt ntatctntat gnttatntna 360
ccatcancgn atatncngaa tgatagnatg antntgttta ttntctccat acgaaatgag 420
tgntnatncn cnncgatntt gtatnnntta naatatgact gtnttntnat annactanat 480
ntatgtatgc tnatgctaaa ctatnaatac atattgtnac nntctnttac atcgtnnaaa 540
ntgttnntca cncntttgag aaggaggnan anagacgttt gattntttng tgaattatat 600
gtcgatttct gtntgttgng tgaaatnatn cngttaattg ananacattg nnatatntnc 660
atacngnaga ataaatacga tngcgatnnt natcnatant nttatctatt gtatatntnc 720
atatangntt aannntantng tntntanacc tatacttntt atgtntccgt atctactnct 780
gnttcanttn aatctagnct attntantta gtangttacg anntnantnc ncgcttnatt 840
ngtgtgcgnn tncacttatt ntacagtatg ncncatntat tntngtatnt ntantgtnna 900
tnattttacg ntnngagtaa tatgnatata nataatgnac ttncacncng nanattatnn 960
atttntttnc tgnnattata ttntagttta cganntanta anttntntnc tactttcntt 1020
cgtaatttna ngtttatgnt naganaantt cnttaatgtn ngntttnaat cncataaata 1080
gtatatgcac agnntnncna tnnnnatana tgntnagntn ngattnnaat tnattatnan 1140
ngcctngnat ntaannncn 1159

<210> 1893
<211> 662
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(662)
<223> n = A,T,C or G

<400> 1893
nttgttcctg cctcacctcc tgatagctgg gattacaggc gtgcaccacc atgcctggct 60
aatttttgta tttttagtag agatggggtt tcacaatgtt gcccaggttg gtctcgaacc 120
gctgacctta agcgatccgc ctgccttggc ctccccaagg tgctggaatt acaggcatga 180
gccaccgcgc ccggctgact ttttttttte tttctttctt tttgagacag agttttgctc 240
agtctcccag gctggagtgc aatggcaaca acatggctcg ctgcagcctc aatctgctgt 300
gctcaggtat tcctcctgcc tcagcctcct gagtagctgg gactacaggc gcatgccacc 360
acacctggct attgtggatt ttaanaaatt ttttttgtag agacagggtc ttactatgtt 420
tgcccaggtt gttcttgaac tcttgggctc cagagagcct cccatctcag cctcccaaag 480
tgctgagatt ataggcgtga gccaccacac ttagcctatt gngacttttt agagtttcta 540
atactttctt ttagggcact aaaaacttaa tcttanatcc agttggttat tcatttgggt 600
gaatgaagtg ntanggacct accttaattt tttccaggtt tttgtgattg aataaatntc 660
nn 662

<210> 1894
<211> 723
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(723)
<223> n = A,T,C or G

<400> 1894
aggtgacctc tgtgtttcta taactatgtt aatgtgacct gtaaaacagt tcacttctca 60
acaagtcagc ttcctcatat ttaaaatgag aagttgtctt gagttttcta aagatgttta 120
ggctgcattg tcttgggcct gctcaggatt ttgacctctg agataaaagc tggatttaaa 180
aagccaatcc aagccaaaca cctggcatta ttagcattgt tattccatca gatctgtttg 240
tttgataaag aagctggggg tggaattggt ggtgccttaa ataccctagc ttggtgcaga 300
ggtaagatac tctgtctggg cacggtggct natgcctgtn atcccagcac ttcgagaacc 360
aaggcaggca agtcgtgagt caagagatng agaccatcct ggccaacatg gtgaaacccc 420
gtctcttact aaaaattanc aaaaaattaa cctgnggcgg tnggnggcca ccccgccctn 480
ttanttcccc cnatanctcc nanaaggctt naatgccann gaanaaatat nactttgnan 540
cccngggacg ccnataaggn ttgcnantgg tnacncanaa naattcattt ctcacttggg 600
cctcccagcc cctnggggggc cccaaagggn ggaggaantt ccncccctncc cnnnnatntt 660
cnggtatnaa naaaattctc cntaaaaaan ataaattgng cgcccaggaa nntnttaaaa 720
nnt 723

<210> 1895
<211> 1007
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1007)
<223> n = A,T,C or G

<400> 1895
tttctnanta anagcgggna catngtntct ttnaanctnt actntatann gnggnatctt 60
ttttttccnn ccnacacccn ctntcctcnn aantcnannn nnngantata tcccttcann 120
ggaaaaantn aananggatg nntttatctg nnnggatcna ttgnntcnnc acgnaatncc 180

ncttggacaa tnatcaatcg gtcttntacc nntnatnttn ntnnnnnnna ncctagnntc 240
gaatgtcnac ctgnnantgg acntctanta natcntctna nnaaccntna aactattatn 300
actnggttac atnttntaan atattctnac nanaancatt nnncatttcn tctacntnat 360
tattcnaata anctcccnta nnnngcnnta ttncnanann antcattcgt aataatanat 420
tcnattntca ntannntnnt ttcctgtnat ctnntnatta tntcgagtnc nntatggcta 480
gcanttnnan ctttnantac tnaactanta ncantagcaa aangagacgg taatttantt 540
ctngtnacaa tnaaaataaa ntcncgtaat tnnagnacct atnnngacat ctntncattc 600
ttgcntanan tnnattgttn tttannnntt ncnanaatcn naanattatg cctnngnact 660
natacnagat atantcagta tantatccgn atctnaattc tggangctnn ataagnatac 720
tacctnttna cgttnnatat ngtatanatc ccttatttta nctattccat atnntcnaat 780
ccatactctn tantgtnaan ttaaancnta anttcancta ntnttcnnta nanntantcn 840
cntcngctnt nacttcgtna tcanattaat acntattgnc ttnnctcacc naactacgct 900
cgtatancat ctatnaatnt canactnnta ntntatctnn tatntaaann atcnnnataa 960
ntnatantna tattatcttt cctgtctaca aattttatca tnntncn 1007

<210> 1896
<211> 674
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(674)
<223> n = A,T,C or G

<400> 1896
cctnncccca attcggcacg agaaacaact gaaggtcaaa aacttatatg ccttttttatg 60
tgtacattta ataaaacaat tttattgatt tcttaccgta agttactgtg atgagtgata 120
aatacttcac tattcagata ctttcgtaag agatacattt cagtggaaca ctttgcataa 180
atattttctc aaaaatgtgc aatttctggg aaaaaaggaa tgatggaaag aaggttattg 240
cagttttcct agaaattttg tcagattggc atgcattttt attgactaag aatcccaatt 300
ttagcatgaa gaccattaga tatgaataca taaggccata acatttcaaa ttaagcacat 360
ggagtgattt gtaattttgt gttaatttct ccctaagatg ttttgttaaa atgattttgt 420
atataataaa tttctaagtt gaggaaggaa ggtaaaaaaa attcctgata acctttttctt 480
tatgaagtct gctaataaca atacctagta tatacttaga agaaccagcc aagaaaaatt 540
acctttcagc aaccactctt tacttatttc tcttttgnaa taatacccaa ttttatgacc 600
caggattccc cagtttttaa cggaagtaag attaaagacc aaagcccaaa aaccctctgt 660
tccttgcaat atan 674

<210> 1897
<211> 673
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(673)
<223> n = A,T,C or G

<400> 1897
cccctctcga attcggcacg agaagacttt ctcctaatgc ttggaaaacc ataactgaca 60
tagttctaaa tggcacagcc ttcgtgacac tagaaattgg aaaacaacta attaaagcac 120
agaaaggagc agcatttctt tctattacta ctatctatgc tgagactggt tcaggttttg 180
tagtaccaag tgcttctgcc aaagcaggtg tggaagccat gagcaagtct cttgcagctg 240
aatggggtaa atatggaatg cgattcaatg tgattcaacc agggcctata aaaaccaaag 300
gtgcctttag ccgtctggac ccaactggaa catttgagaa agaaatgatt ggcagaattc 360
cctgtggtcg cctggggact gtagaagaac tcgcaaatct tgctgctttc ctttgtagtg 420
attatgcttc ttggattaat ggagcagtca ttaaatttga cggtggagag gaagtactta 480

tttcagggga attcaacgac ctgagaaagg tcaccaagga gcagtgggac accatagaag 540
aactcatcag gaagacaaaa ggttcctaag accactttgg ccttcatctt ggttacagaa 600
aagggaatag aaatgaaaca aattatctct catcttttg actatttcaa gtctaataaa 660
ttcttaatta acn 673

<210> 1898
<211> 782
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(782)
<223> n = A,T,C or G

<400> 1898
gtttnactac nnaaacaagc tacttgttct ttttgcagga tcccatcgat tcgccaaagc 60
acacaaatgg cctaccatct tttattcttc cttctagctt ctggagagag aaatgattgt 120
tccagtttag aatgccagga gtttactggg tgtttgtatt ttttatctgt gccttaaaaa 180
aattagatta taatgaacaa gacatcttta tgttttacag ggaaggaaaa agcagtgaaa 240
gtatgcattt tcgaaagaaa agtgtgttgg gaaaagagag agagggtgga aacccaaagg 300
agaaataaaa attttaagtc cttgttgcag tagctggagg aagtgagctt ggaaatctct 360
ccagcgcaat ggttgctggc tgggaagaaa gatctgactt agacacagaa taagctgctt 420
gtgctgggtg tgtttgtgag ctgggtgagg ttttctgtgt cgctgggcac gtgagggaag 480
ttacctggct ggggggtggg gtgggggggca ttagaaggga gtatgggtgt ctgtggcgct 540
cgcgtgtgcc tgtatgtgtg tgtgtgtgtg tgaaaaanaa nagagaangt aaaattaacc 600
tttgncctat atggttggtt tctctgcnta gaagtcttaa aggaaccttg ccagcttgca 660
ntttttttatt gggtttcaaa ttaccagcat ttctcttcta aggattggtt gggtggttat 720
tttgggggttg atgaattgaa agccaaggga ttaaanaacc anaacctggg accaantgna 780
at 782

<210> 1899
<211> 825
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(825)
<223> n = A,T,C or G

<400> 1899
gtttgaatcc gtttcaacta cttgttcttt ttgcangatc ccatcgattc gaattcggca 60
cgaggcttca tccagccaaa gaggtcntta gtggttctgg aaactttggt ggtggtccgt 120
ggangtggtt tcggtgggaa tgacacttcg gtcgtggagg aaacttcagt ggtcgtggtg 180
gctttggtgg cagccgtggt ggtggtggat atggtggcag tggggatggc tataatggat 240
ttggtaatga tggaagcaat tttggaggtg gtggaagcta caatgatttt gggaattaca 300
acaatcagtc ttcaaatttt ggacccatga agggaggaaa ttttggaggc agaagctctg 360
gcccctatgg cggtggaggc caatactttg caaaaccacg aaaccaaggt ggctatggcg 420
gttccagcag cagcagtanc tattgcagtg gcagaagatt ttaattanga aacaaagctt 480
atcagganag gaganccnta aaaagtgaca ngggaagctc caggttacaa ccagattttg 540
tgaacctcaa cccaaccaca agtgggtggg ccagggcctt accttgcttn caaaagaaan 600
acattgtttt taanacnaaa tacctcatgt tgtattnggg ccaaaaaaaa ctcctangga 660
cctggttttt tgtggacctn aattggtatt aaccaaggtt tantttaaa tttcctgttn 720
cttgtnggna aaagtggtta aaagccnttt cccaaccaaa angggntttt taaatggtaa 780
aaatttttt ttttttggca ccccccattg ccttgttttg nantc 825

<210> 1900

<211> 831
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(831)
<223> n = A,T,C or G

<400> 1900
tgnnnnnnnn nnnnnnntat tgaaactnat ntgnaaaccc tggaatttcn caggatccca 60
tcgattcgaa ttcggcacga ggctgcttcg gggactcagc cagtatttnt actgaggtgc 120
tgagcgccgt cctcaaggat ctctaccacc tgctgaagca cgtagtgtgt ctggagcccg 180
atgacgtggc caagctccat gcccagttgg ccctagaaga gctggatgac atcatgaaaa 240
acttcctgtt ccctccacag aagctggaga agaagatcat ggtcctgccg tagacctggc 300
tccaaggacg tggaggaggc aggcagggcc aggcacccag agccgtgccc aggtcttcca 360
gcaggtggcc ctgctgcctc ttgagtgctg gcagcatggc tgaccctcgg ggtggtttta 420
tggtgcaggt cacttgggtc ttcagggtcc cttccgaggg catgtgttca gcactccccg 480
cgttcagcct gaggggtgta cagttaagag aagacagtta cagatctcat taatctacat 540
ttttcactgt cctctaacat tgaaagaagg atgtctacct ggtgaaagta tattttaaca 600
tgactgatgg aattcactaa ttgcccactc tcttggaact tganganaaa ccggntggcc 660
acccatatgt cacctaacct ctatattctt ttcaggctga agattcttct tcaaggaaaa 720
atgaaggaag cagaaactgg gccacccctt gggctggttc aaagaaggca tttttaaaaa 780
ataagganaa agccaatttt ggaaggttgg gggaangggg naaaggaaan n 831

<210> 1901
<211> 674
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(674)
<223> n = A,T,C or G

<400> 1901
cccnccncga attcggcacg agctccaagg ttggctccac ggaaaacatc aagcatcagc 60
ctggaggagg ccgggccaaa gtagagaaaa aaacagaggc agctgctaca acccgaaagc 120
ctgaatctaa tgcagtcact aaaacagccg gcccaattgc aagtgcacag aaacaacctg 180
cggggaaagt ccagatagtc tccaaaaaag tgagctacag ccatattcag tccaagtgtg 240
gttccaagga caatattaag catgtccctg gaggtggtaa tgttcagatt cagaacaaga 300
aagtggacat ctctaaggtc tcctccaagt gtgggtctaa ggctaacatc aagcacaagc 360
ctggtggagg agatgtcaag attgaaagtc agaagttgaa cttcaaggag aaggcccagg 420
ccaaggtggg atccctcgat aatgtgggcc acctacctgc aggaggtgct gtgaagactg 480
agggcggtgg cagcgaggct tcctctgtgt ccgggtcccc ctgctgggga ggagccggcc 540
atctctgagg cagcgcctga agctggcgcc cccacttcag ccagtggcct catggccacc 600
ccaccctgtc agggggtggt gaccaaangg aggcccanac cttggacagc cagatccagg 660
agacangcat ctan 674

<210> 1902
<211> 930
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(930)
<223> n = A,T,C or G

<400> 1902

ttnaaatnna nttcannnat tnattnnnnn nnaatttnat tnttnnnngg gggnantann 60
tantannntn anntnttnan ctttttata nnaaaaacnn ccccctttnn ttnnttacnn 120
tatcnnaann naaantcngn ggnggaatat natnnnaaat taannantnc tnttttnnnn 180
nnnnnagggg ggggtncacc ccnccaacta tttatcattt taaatactng taaataaanc 240
ttatattaaa tnntttancc cttntcttnt cccccccccn ccacancttn tttcnctaaa 300
taattcanta tantatcata taatacancc atcttaactt ntatattata tatatnannc 360
ttttnatnna tatatactat tcctncanta tnncnctaan aangcctctn atntncattt 420
attttctccc ncatanaact ttctnaaatn anantattnt taataaatca ttntaaaatt 480
attatacata ttttatcntt tatntcctta ttatatntnt ttcnnntaac tatatttatt 540
attncatntn nnanatntat actnatnatg ntaattnnta ttaaatanac ntnaccttac 600
acattcnntc attataaaat ttncattcnn nnatannnnt tacaattttn tattattaaa 660
tntncatttn tttacataat aanatacaat atntaatata cnttaaacan atccntaaaa 720
ctattatnnt atntntntnt tntanataca aaaattaata aaatntnttc aattntttna 780
caaacnttan tntncatntt acaaaaaana ttatctttnt ttntattata ctcatnctnt 840
nanntanttt canatncaaa tcntnttntt nntnttattt aantatacac tnaattatac 900
ntnataacnt nttattnnta nccattacnn 930

<210> 1903
<211> 1148
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1148)
<223> n = A,T,C or G

<400> 1903

ttnctncctn tnagnagngg ggnntnnttn cttattgaaa tccntccnnc nntngnaggg 60
gggngnaant tnnttgnnac cccncctttt cactagggcc tgnntntgtn naagtacccn 120
tgtattttnn gcgantgntn nntgaaactg ggtaacttnn ntgttnagcg tnactngtcc 180
tgtggnnact tttnttntcc nnnatcttct ntcnnanctt ngtctnatgg nangttaggn 240
ntngcnattg nttccncacg tctttctgct tnantcacat agncngatat ttcnttggan 300
tnggcctgaa ttggtgaatn nntnttggtc gtatananaa cncnanntcn gatttggnca 360
ctcncnganc ccntcgngna ttcccgggtt tngaaantct tnttctttac tccncccgta 420
tnggatatnc aacnangtgg taacnnatag ncagctcgnt nttnaaactc taaatgncnn 480
cacgnannan tnaggtnnta ttnntctcta ctgggnaatn nanntatttc tanagcttaa 540
ttacctatan gtcnccntat ctctcttgag ggtatannnc cnantttata acnnngntgt 600
attctccggg taagngntat aaaaccntng gtnnatcanc cgcaactact ttcaaatggg 660
ggnngnggng gannggntct ngtctntata tacaattcct tcggncggnc tcatctcaaa 720
gtgcnnnnac tnaatngcct ntngnganng cttcaacccc ctaagctntn anattannng 780
ngnganatcc gtatatgnct gnggtgttcc tcgacgcccc tatgggnnan tgggggnatt 840
gcaannagtn taaatanaga ctttggtctt ctntggaanc cccaagngga cgggtnncct 900
ttcttgggtc cctctccata gngggannca nanggcnttg ncttngntat gnggtggaac 960
ccccctctgg gggggaaaat cggcccccca nctgggctcn ctncaaatgt antngccngn 1020
ttacgtnttt nctcnnctng gntaggancn ccnntntacc ntctctatct tanttttttnt 1080
tacngntggt atnanggcan acngccgtng agntntccct ttgggagnan ncacttcncc 1140
tctttngg 1148

<210> 1904
<211> 1194
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1194)

<223> n = A,T,C or G

<400> 1904

cancaaaann nannnaacnn nnnnnnnnnn naacnanaag gngngggggg ggggannnng 60
naaacgcaan aanaacnnnn tcgnagnnna aaaaccnccc ccccncnnnn naannccnan 120
caangcggnn ngganggggg ggggggannn nannnnaaan aaaannnncc tanngngnnn 180
nnntnnnntn tnacgncccc cnccganaac accaacgnca cggcggggng gnggggnnnnc 240
gaaaanacgn agaggacgag aggatggnaa cncccacncc ccacaantcc ccggacagna 300
catcgccncn acnacacnan gaagnnggng ngggngnngg caagnanaaa ctnacanaaa 360
ncantnccac gcncnaacgg ancnncncaa aaacancatc anggnggggaa acgnanacng 420
cnntacanag ggncacacan aagncaccan aagacntana nccnaangga anganccgca 480
acngaaccag aacantnagn cctgnaacgc angaanggan agcctntnat gcgncancca 540
cgnaanacct cnacnancgc accnccnnaa aggccagcan gataannaca gnatagtcnn 600
anntacacaa ccacgagacn catgngncac annacnanca nagnaaagan cgcggnganc 660
nnaagcanan acngagnacn anaacgncnc cccaagtnac cacaancntn aanaacnnng 720
aanacaaagc gaccannaaa gccacacgnn cgaaanaatn acgacnaann naaccancnc 780
naccacnnnn gaagcgangc antatggcac nngacancgn accncggang aaaacngcgt 840
acaccngnag acnacnatcg tccngcngat gggccnanta ggcaccnggg gaccttngan 900
ngnanananc ataggnnnaa aacacagnna naaaaatgna ctaatanccn gngnnnngnt 960
caacgaaann ancaccacaa ccantcacca ganagnnngg cgaaacaaat cannggccac 1020
ccctnngtgc ncgccccca nnaaggaana cccannaata cngcncgngt tccccccnca 1080
gancaannga aggacccnta tacccccaaa cggctnnnca actaacggan gaancaaanc 1140
cccccnngac atnagaanaa ngantgccca cagaaagnag nanngcgcac ccac 1194

<210> 1905
<211> 705
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(705)
<223> n = A,T,C or G

<400> 1905

ccncgnatcc cctgagggga ccatgacttn nnnnntnnca gtatgtgacc gagaaggtgc 60
tggctgctgt ctacaaggct ctgagtgacc accactgcac tccagcctgg gtgacagagc 120
gagactccat ttcaaaaaaa agactgaaac aagcttgtgc taagatggaa agggctgctt 180
ctaacagatg tggtttgttg ctttagttgt tgaagcaaaa atactgagtt gttatgttta 240
tgttatcacc ccaccactac ctccatggtt gttcatttag gatgcttcta attcagccac 300
tgtgaaccat tataaaggtt ttattgccat gttgaaaatg tttataatat ggcaaaaagg 360
ggcatcaaat agaagattta ctattattcc agccatgtaa aaatatgtgc acatatggat 420
gtatgttgaa agtggatgat ggagaaataa aatgtggttt tctttgggga ctggaaaaaa 480
aaaaaaaaaa aaanaaanaa annnnnnnnn nnnnnnnnnn nannnnnnna nnnnnnnnnn 540
nnnannnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ntcnnnnnnn 600
nntnnnnnnn nnnnnnnttn nnnnnnnnnn nnnnntnnnn nnnnntnnnn nnnnnnnntn 660
nnnnnnnnnt ntnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnccn 705

<210> 1906
<211> 1379
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1379)
<223> n = A,T,C or G

<400> 1906
ttnnnaatnn ttnnttnnan nnantantta nnntaagggg ntgggggggg gtnantnntt 60
aaanaanana annnttttgg ggaaaaagnn cccccnnntn tntantaang nnntnaagat 120
agggggggggg gggggtgagn aantntaant atngattttn tnnnnagann taggagnaac 180
ganataataa taangaaatt gnggggagan tntagggagt ataaaaatcg atatgtggat 240
ctaantnatc nnnngctatg tattacgaan nattntnant ncntntantt atgananata 300
tatttacatt gatnatntna nnatatntaa tgcngtatac gntataatng tttcaatact 360
tanntaanat anntaattnt tntagatntt atntataatt ttacgtcnaa caataatngt 420
tangatnttt attattatca tgntnttgna nataattttt annaataatt tcntatnaat 480
cttancncaa atatnttgtt tnntgttaan nnataanana taattatnat nntaatncaa 540
ancnattaat aatttnagtt tngnntaaan naaatantgg tatnnttntg tntnatnana 600
tnnnatnatt antanttgng tntganaaag aaactnattg catanttnga ggntantntg 660
aaatnnaata ttcacannnt tgntntttnt gtannacaca tatangnnnn tatgannnaa 720
tanaaataag ttangtngat atntantgnn ncnttatcaa tngtaagtat gttngagnnt 780
tgatacntna ataagaaatt nataatgtgt ncnagtanta nnntaaatat aatnagagta 840
tgtagngcta tnaancactn tnataaatga acgtcnatcg ttattgcnnt attnannnaa 900
agacntatat atanatntaa atnaaatnac ganatatagt cnatntntat tatanngnta 960
atacnnataa tatatatnta agcgaganga tgaaaatacn anacaaataa ctatgcgtag 1020
tntntnaaga taagaatnat aanctnatat nntctatntc atnnatnaga nataaanaga 1080
tgataaanca natagaatna ggtaggntaa gttatnctnn aataatnnaa tatatnatag 1140
atanatagtc gatnaancnt aagnatangt acgagtnnag agtatgntan tantnaatgc 1200
tatgtnttat natcgataan tantcgtaaa tgtgatatnt tanatatagt gtanaatgna 1260
cgnntnataa ngngtgnnan tttgaantan accganatag gntacntncg tganattana 1320
agtataatat gctatatana nnnnggngnn agaaaganat gatataatat atttcgagn 1379

<210> 1907
<211> 676
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(676)
<223> n = A,T,C or G

<400> 1907
ngagaaaaac ctgcnnnncg ctccccaggg ttgcttttcc caggaggtgt gagcctacct 60
ggaggaggct taggcacagg gatacctgct ggaggtctga gcgttggttg agcacctcct 120
gtttgtagga tcctgtgcca gacctgtggg gaggtggaga gaggctagga gacatagccc 180
ccacccctga gggatgagac agctccctgc aggcaggctg tgcccagtca tctcaagcct 240
acagctgggc tgctggctgc agggtctgga gggcggnggg gagggtggca gacagagtag 300
caagacccca acttccctgg ccttcttcac agacctgcgt catgcgggcc tgggaccgca 360
gcaagcccct gctcttctgc ccggccatga acaccgccat gtgggagcac ccgatcacag 420
cgcagcaggt agaccagctc aaggcctttg gctatgtcga gatcccctgt gtggccaaga 480
agctggtgtg cggagatgaa ggtctcgggg ccatggcttg aagtggggac catcgtggac 540
aaagtgaaaa gaagtctctt ccagcacaat ggcttncagc agagttgacc tgggaattct 600
gtcattgggt gtcccttctg tactcanaaa atgggttcag gccaagtcng tgaaagatng 660
atgtttggca aaaann 676

<210> 1908
<211> 785
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(785)
<223> n = A,T,C or G

<400> 1908

nnaancncat acangctact tgttcttttt gcaggatccc tcgattcgaa ttcggcacga 60
ggggagaaga gccgccagcg gaacccctgt gtgcaccaac cttccccaga gctccggagc 120
gccctctcct cacttccagg ttttggggcc agagnttgnc gggagaccgc cccagcttcc 180
ttctgacctt cagttcactt tgtcgccctt ggagaaagat gtttttnttt tctnaaaata 240
accccaatgc tccaaannnn nngnnannaa aaaaaaaaaa aaaaaaaaaa anaaaaaaan 300
ntaaanaaaa aaaaaanaaa accncgaccc tttaaaantn tagggngtcg tttnncntan 360
anccaaactt gataanatcc nttgntgngt tnggncaanc canannтaaa atgcngggaa 420
aaaaangntt tnttngggaa attgggnang ctatggnttn nttngaaacc attntaagnt 480
gcaataaaca ngttancacc accantngcn ttcnttttat gtttcaggtt caggggggagg 540
ngngggaggt tttttaantt cgnggccggg gcncccaatg ctttgggccc gganccccagn 600
ttttgttcct ttaagggagg gttaattgcc cccttggcgt aatcatgggc ntagcttgtt 660
tcctgggggа aaatngtttt cccgttcnaa nttcccnaca aaaatacgag ccggnagcnn 720
taaagngtaa agcnnggggg ggcctaatgn agggaccnac tcnatttaat tggggtggcc 780
ncncn 785

<210> 1909
<211> 957
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(957)
<223> n = A,T,C or G

<400> 1909

nnangnngtc tananagngg ggtgtnttng atttcgaacn ncnncanttn aagaatgcng 60
ggnnttnana ngttgtanna gnggngnggn aaantnntgg ttnatagant annnannnnt 120
aatcgacant cnnntgtncn ttttncnata aggnaataan ttntgngcga tgtctnntgn 180
natgtatnnt actnnatctt ccctcatgan cntnnnataa cntnangaat nntagacttt 240
caagacttnn tgntaattnt atnntaacng tggatttntt nnatagntnn atnannncta 300
ncgtnntcnn cnaaannant ntantgntna tnataatann tagntcttan tnnngtttan 360
aagatantnn attggnntga ngttntatan ncttgagtcn nnngaccnca tantaanttg 420
tttncnaata ttatttntaa ntanntantg nttnntncan acntttntgn anacntttaa 480
annnnngccn naaannтcnt caannтncnt ctngtatctn gcntattntt cagaatncan 540
cntccctttt nntaacatnc tgaatnnnna taaaannana tnnntnnana tanntatnan 600
nnntatnacn atctnntnat ganaactnta nacttttnan attcanannc atnncnagtn 660
antaattaan nntntttnta ttgnatcang natttnnatn ntcanntcgn anantnngat 720
gnataaannn agtcatanna aagattangt acgactgcgg tncaacnntn nnannnnntg 780
aatnatgann ttngananaa ttttgtgnan gataatgctn attnaaanta tnncactant 840
ataacnanca tntnntntnt gantaatnnn aatattntnn anatatagtt ngacntnacg 900
tgnnnnctna ntgagcagna tangttatcn agatatnntn tanctctcca tgaccac 957

<210> 1910
<211> 682
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(682)
<223> n = A,T,C or G

<400> 1910

gcangaggcc tgcatannnn nncattactc aggagttgga agttcagatg gtaactcaga 60
ggaaagcaca ctggggaaat ggagaaaaga tgttctttct ataattgatg acttagctga 120
tgggccacag attcttgttg gatctagcct tggagggtgg cttatgcttc atgctgcaat 180

tgcacgacca gagaaggtcg tggctcttat tggtgtagct acagctgcag ataccttagt 240
gacaaagttt aatcagcttc ctgttgagct aaaaaaggaa gtagagatga aaggtgtgtg 300
gagcatgcca tcaaaatact ctgaagaagg agtttataac gttcagtaca gtttcattaa 360
agaagctgaa catcactgct tgttacatag cccaattcct gtgaactgcc ccataagatt 420
gctccatggc atgaaggatg acattgtacc ttggcataca tcaatgcagg ttgccgatcg 480
agtactcagc acagatgtgg atgtcatcct cccgaaaaca cagtgatcac cgaatgaggg 540
aaaaagcaga cattcaactt cttgtttaca ctattgatga cttaattgat aagctctcaa 600
ctattagtta actagtatca catgtttagt tgggtattgt aaacctatgt atcccagaag 660
antgggaaga nggataagaa an 682

<210> 1911
<211> 875
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(875)
<223> n = A,T,C or G

<400> 1911
angnngaaan aanagnggga tnnaanattg gaaaccnnnn nnatgagagg nggggtnaaa 60
tgatggnntn tggnaaattt ngaagaanaa aaananaaag tattaancgg aggaggggag 120
aagtgnataa ataattntnt nannanagan tnaannntaa aaatanttna tcaatttntg 180
antaaaantt agattannaa tctnatnttt ggagataaat attgntaaaa tataaaaaga 240
aaagtaanaa tannaagaat tantatanta ttantatana naanaaaatn gtatgaanta 300
tnatanttta aaaannagta ananaatann nntatnaaaa taanactagg aatnnatnan 360
tanaanttta aaaaaaanaa tanataatan aaattaaaaa atanttcnaa aaaantaatg 420
tanantaaaa aaaanataaa ntaattaang aaatannana naaataaaat ntataataan 480
nataaatata taataataan tantatnatn nagtntnaaa tnataatant nataatataa 540
ntannaaaaa atataaaaat aagaagatat gnnaaangaa aaaaatatan aggaaaagta 600
aattaatnga tatttaaaga anaaagaaaa aanaaaatat anannatnan aatatantat 660
aantnaaant ananaaaana tncnaattnt annagatnat aaganaannt atnaaatnaa 720
cntgaaatat atntaannat agnacttata natnntataa agangnntta agganaatan 780
atnaatagat anntnaaata aattataata tataaaaaat annaaataat gagntganng 840
attatannaa nntatanngt atntaatata ataan 875

<210> 1912
<211> 671
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(671)
<223> n = A,T,C or G

<400> 1912
gcnggaggga aatcatnnnn nnaggcaagc agtttcaccg gatagtgaca taccatcgcc 60
acctttatga tatccacgtg actgttcagc caaagtataa acacgtttat cctaagaact 120
ctgtagtaag aaaaagccat ttgtagggtg cttaagcttg tttgtaaaat ggcctacttg 180
aagtcctcat gaataatgag ggttgacttt catttgcttg aaacttaagg aagtttgtgc 240
ctataaaagt tactgcaatt cagtatttct ttatttttt cgagacagag tctcaatctg 300
tcgcccaggc tggagtgcag tggcatgata taggctcact ggaagctctg cctcaggggt 360
tcatgccatt ctcctgcctc agcctcccga gtagctggga ctacaggcgc ccgccaccat 420
gcccagctaa ttttttttg tatttttagt agagacgggt tttcaccgtg ttagccagga 480
tggtctcaat ctcttgacct cgtgatacgc ccgccttggc ctcccaaagt gctgggatta 540
caggtgtggg ccaccacacc cagccttttt ttttttttt tgaaaaanag ngtttatttt 600

tgccaaaacc cagggtggng nggnngggcc aaatntgggt tnttnaaacc tccccccnccc 660
cgggtccanc n 671

<210> 1913
<211> 685
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(685)
<223> n = A,T,C or G

<400> 1913
ccncnntcca angggactat cctctggagg nnnnnccatg cagcaagatc tacgtggatg 60
atgggcttat ttctctccag gtgaagcaga aaggtgccga cttcctggtg acggaggtgg 120
aaaatggtgg ctccttgggc agcaagaagg gtgtgaacct tcctggggct gctgtggact 180
tgcctgctgt gtcggagaag gacatccagg atctgatgtc catgaagtta ggaaggtcct 240
gggagagaag ggaaagaaca tcaagattat cagcaaaatc gagaatcatg agggggttcg 300
gaggtttgat gaaatcctgg aggccagtga tgggatcatg gtggctcgtg gtgatctagg 360
cattgagatt cctgcagaga aggtcttcct tgctcagaag atgatgattg gacggtgcaa 420
ccgagctggg aagcctgtca tctgtgctac tcagatgctg gagagcatga tcaagaagcc 480
ccgccccact cgggctgaag gcagtgatgt ggccaatgca gtcctggatg gagccgactg 540
catcatgctg tctggagaaa cagcctacct gtatgtcaat aaacaacagc tgaagcaaaa 600
aaaaaaaaaa aaactcgacc ctnnaaactt tagggagcct ttttccntaa atccancttg 660
aaaaaaanct tttttgattt ggnnn 685

<210> 1914
<211> 690
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(690)
<223> n = A,T,C or G

<400> 1914
ccncnntcna attcggcang aggccagatc cnnnnnnnac agcngaaacg cttgttgaat 60
ggcttcagag tcaaatgaca aatggacacc taccagggaa cggagatgtg tatcaagaaa 120
ggctggcacg tttagaaaat gataaagaat ccctcgttct tcaggtaagt gtgttaacag 180
accaggtgga ggctcaggga gagaagattc gagatttgga gttttgtctt gaagagcaca 240
gagagaagtt gaatgccaca gaagaaatgc tgcagcagga gcttctaagt aggacatcct 300
tagaaactca gaagttggat ctgatggctg aaatatctaa cttgaagttg aaactgacag 360
ctgtagagaa ggacagattg gattatgaag ataagttcag agacacagag gggctgattc 420
aggagatcaa tgatttgagg ttaaaagtta gtgaaatgga cagtgagaga cttcagtatg 480
aaaaaaagct taaatcaacc aaagatgaac tggcatcttt aaaagaacaa ctagaagaaa 540
aggaatctga agtaaaaagg ctacaagaaa aattggtttg caagatgaaa ggagaagggg 600
ttgaaattgn tgatagagac atcgaagtac aaaaaaaaaa gcctttaaac tatagngagt 660
cgtttacgta gatccagacn tgataagatc 690

<210> 1915
<211> 780
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(780)
<223> n = A,T,C or G

<400> 1915
annannnaga ggggaatann gantnagttn naannccatn tnnannnaaa nanggggggn 60
naatannatn nnnttgnggc cnaatctgna cgataaacaa tgangtcaaa tcctanatgc 120
cttaatatnt gtacattnat anaacaatta tatngattat cnancnaaag tnactgtgaa 180
gagcgataaa tacttcacta ttaaganact ntcngcngag aacatttcag tggaacantt 240
ngcaaaaana tttnntcaaa aatgngcaat tcctgggaaa aaaggaatga tggaangaag 300
gttantagca gttttncata aanaattaga cannatnggc ctgcattnnt atngactaan 360
gaatcccaat ttatannntn aagaccatta atatatgaat acataaggcc ataacatntn 420
aaattaanca catggagtga tttgtnatnt cgtgntaatt taaacntaag atgttattnt 480
naaaaatgat cttggaatat aataaanant ttaaannntga ggaanggaag gtnaaaataa 540
aaattnctga taacccтttt ctttatgaaa tcntgctaaa taaanaataa cctaggatat 600
acttaanaag aaccaagcca anaaaaaatt acctttaag naancanntc nttnanttna 660
tntttctttc tgaaatnaat acncnaattt taatgaccnc aggattttnn cngatcttaa 720
cggnaaagga ataaattaaa naccaaggcn ncatatacct cttgattcat tnnaataaan 780

<210> 1916
<211> 848
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(848)
<223> n = A,T,C or G

<400> 1916
ccgntnttcc gaantcggca cgagaagact ttctcctaat gcttggaaaa ccataactga 60
catagttcta aatggcacag ccttcgtgac actagaaatt ggaaaacaac taattaaagc 120
acagaaagga gcagcatttc tttctattac tactatctat gctgagactg gttcangttt 180
tgnagtacca angtgctttc tgcnctnngc aggtntngac ccangnncta ntctcttggc 240
ntttgaatgg ggtgattntn gcngtgnatt nagctnttcn atcnctgtnn tcagagcnta 300
ttnttnatnn tnaccntagt actttanngc tatnacagta tcaataantn ntttttttntn 360
ttctacncac tntttcnaca ccctncgagg ancgagttcc atnttttgct nacaaacnag 420
tnnncttngn atntannacc ggancctntc anttnnggat ntnanaactg gagctatggn 480
ggnttacctt gcntttaacn tngannaann ccntctacna agcaatgggc atttgggccc 540
ncgtnnnggg atttctaaga aancttggat gnaggtggga natttcacnn ncncaattgg 600
nanngcgtat aggcctagaa acantttggn aacggtttgn aanaattctg nttttcgggn 660
cantttnggg tgnaagnang ggggcntcta aatgtaaacc ataactcctt ntcgganaan 720
ggttnggaaa aaanattttn ttaaaancct aaattccang nngcnncaaa ccttttтcca 780
tttttgcacn ggaaattann ggggtaaaag gccnttcctg gaaaaaattn tggcncccct 840
taaggttn 848

<210> 1917
<211> 690
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(690)
<223> n = A,T,C or G

<400> 1917
ncccnntcna ntngccggca aaggacttnn tnnnnttgaa aaccatgtaa agtttgatca 60
tatcattagc tattggtcag acctattttg ttgtttgaga aaaacagnca catggggaaa 120

atggtgaggt gaggtagtgt gttgaggagc tggaagtgag cagctcttaa ttttttcctc 180
ctgagactga gttcggaaga agagtagacc atggcatgga ggtgggagag acaaggacag 240
agttggggag gtcactgcct cacacttctg ctcacaccgc tgggtctggt ggaaactcaa 300
agtttgtatc taaaaatggg aggtgttggg atagagtttg cttcctaata caattgaaat 360
aaatcaggat aatgttttgg tgctatgtaa taataatagt taatatgacc aattattctg 420
tgccagacac aattctgagt acttttttgag tgttgtctca tttaatctct tcaaaaccat 480
gtgagaggcc tagcgtggtg gctcacacct gtaatccctg cactttggga ggctgaggtg 540
ggcagatcat gangtcagga gttgaagacc acctggtcaa catggtgaaa ccctgtctct 600
actaaaaatc caaaaattag ccaggcatgc tgctcacccc tttaatccca actacttgag 660
aaactgaggc aggattatcc cttgaagccg 690

<210> 1918
<211> 1325
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1325)
<223> n = A,T,C or G

<400> 1918
acnntaactt nnntnttnnc ntatgntaag gngggggggg ttnnnncnng tnatanttttt 60
aaataaaanc ccctttttat ttnntnanta ngtaggggggg ggggnatttc cacncgnntt 120
ttgggannna gcccnnnncc tccgatattn nantatatng ngngngaaat actataacgt 180
gtgtntatat atctcccccc cctatatcgg ngngatactc agnanntana catntnntnn 240
gatctccact ncgagnnatc anntgnatat aatcnncnnc aannagnnta tantcantca 300
catagatgng actatattnt anntncnttc tcnnactntn tntntnnact aatanattnt 360
gatncnccnt attatntcng atatcntcat aacagtntna tantancttn tcnngtannt 420
aannttatat aagtgttnac tnnacnagat anattataag ttangncgtt ntcnanctga 480
naactcttta ttgnttntnt tnatcanatn atnctttgct caatcnacnt tcaattntga 540
atagntnnct ntnngttatg atattntnnn tttanatatc tntntgantn nantactaag 600
ctctatncaa cattnnatat tnnnaannan acgatanntn nnctttcntt gtacctcatc 660
ntntctngta tcangattnn gacncgnctc ncttntcgnn cnntcntnat attatntntg 720
ancttntana cactatattc tntatcaata ngtgtatagt atgnanacat ngcncatanc 780
gtaaacataa acntnatnga atgatctnat ttataataat atattnatat atcannaact 840
atcatgttat cctnnganca tatatatanc ntgantcttt agtncntcna ncattcnana 900
tacgtcttnc atnccgctnn tttgnnttat nccntattgn gantgtgtnc tancntnttn 960
ncnaacgtgt cgtantatac agtntannta tgtnnttata ncnnnacatc cactngtacg 1020
atatatncan ngcnnancnn nanntatgta atntngcnac tgnntnaant natncncant 1080
atgnananat nnttnntntn cattgnatcn ntagctttta tcatgcncna nagnnncact 1140
tgtannngtt ngtatatant ntatatcgct ntcctnnttg angtatntat tctgtgtant 1200
actncttcgn cncannactc agatcnnana tttcnctcgt nngangcatg ttaantactc 1260
ncnngttana tatatnatat atcanttctc tatattntat naacttgatn tatannactn 1320
taccn 1325

<210> 1919
<211> 662
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(662)
<223> n = A,T,C or G

<400> 1919
ncccgatcga ntcggcacga ctcagctctc accagctgtc agatgctgcc acagggcgag 60

aacctccaag atgtgctccc cagggacatc tactgccgcc tcaagcgcca cctggagtat 120
gtcaagctca tgatgccctt gtggatgacc ccagaccagc gcggcaaggg gctctacgca 180
gactacctct tcaatgctat tgccggaaac tgggagcgca agaggcctgt ctgggtgatg 240
ctcatggtca actccctgac tgaagtggac attaagtccc gtggagtgcc tgtcttagac 300
ctgttccttg cccaggaggc tgagcggctg aggaaacaga ctggggcagt ggaaaaggtg 360
gaagagcagt gccatccatt gaatgggttg aacttttcac aggtcatctt tgctttgaac 420
cagaccctcc tgcagcanga aagcctgcga gcaggcagtc ttcagatccc ctacacgacg 480
gaggatctca tcaaacacta taactgcggg gacctcagct ccgtcatcct cagccatgac 540
agctcccagg tggaggttcc caattttatt aatgccacgc taccacctca ggaagcgcat 600
cactgctcaa ggaagaattg acagctactt taccccggga acttgatcta caaaccggaa 660
tg 662

<210> 1920
<211> 663
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(663)
<223> n = A,T,C or G

<400> 1920
ccncgnatcg aattcggcac gaggccacct actgcgtctt ggtcatggag aagaagagct 60
ggagacagag aaagatttca gcagaatcct caggatggat ttagccgact aaaacgatgg 120
attatgattg gcgatcatca ccagttacct ccagttatta agaacatggc ctttcaaaag 180
tactcaaaca tggagcagtc tctcttcact cgctttgttc gcgttggagt tccgactgtt 240
gaccttgatg ctcaagggag agccagagca agcttgtgca acctctacaa ctggcgatac 300
aagaatctag gaaacttacc ccatgtgcag ctcttgccag agtttagtac agcaaatgct 360
ggcttactgt atgacttcca gctcattaat gttgaagatt ttcaaggagt gggagaatct 420
gaacctaatc cttacttcta tcagaatctt ggagaggcag aatatgtagt agcacttttt 480
atgtacatgt gtttacttgg ttaccctgct gacaaaatca agtattctaa caacatataa 540
tggccaaaag catcttattc gcgacatcat caatagacga tgtggaaaca atccattgat 600
tggaagacca aacaaggtga caactgttga tagatttcaa ggtcaacaga atgactatat 660
tcn 663

<210> 1921
<211> 909
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(909)
<223> n = A,T,C or G

<400> 1921
aaannnnnnn ananagnngg ganaannaan tataaaaatt aattnaaana gnnggantan 60
annnttnnnc tntggaaaat tntnttnaga taaaataaag tnagaattac annaattaat 120
taaacnaaga nnnanatttn naataggaaa gataaaanaa aanagattan taaattataa 180
anatanaant gntggaatnt gaaattaatg aanaagntaa tattaaataa aaaaaagaaa 240
atgtaancat tatngaaaat agtnnnaagg attaaangaa naaacncaaa aaanaaatca 300
ntnntaaagn nngnatagna naaaaatnat ataatnaaaa aaaatangtt tnaaaaatgt 360
ganaaanaaa gattaaanac ancnantnat taaagagtna tacnagtngg aatgaaaaaa 420
nangatnata tatnnntaaa gtaaagaatg anaatnaatt nataantaag naatatagta 480
aataaannag nngnntaaaa attaaantgg gaatnnaaat gntaaanant gtacanatag 540
gagatggnaa taaatttcna ataatngatt agaaaatnnt gtntatgaaa agaaactgtg 600
nnaatataaa ganncaacta ctattaatan aagctangat ttgtttanaa nantntataa 660

tggagntaaa naaatngaat ngngaatatg aatattgata attatctaaa aanaaannt 720
taatattnga gatattnnga ttataaggta tttatgcgtn nntaataaga agttaataat 780
cattaaaatt anggantntt taanaataan tgtnnatggg ngtaaanaaa caanaaaatt 840
anaangatta aagaanttaa anaaantnnt ttagacatat aaanaannat nannannnat 900
nattaaaan 909

<210> 1922
<211> 1325
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1325)
<223> n = A,T,C or G

<400> 1922
nncannnnat tattctncn cnnaatnnaa ggtgnnnggg gggttttnct ncaactncnt 60
annttttttng gnatnnnccc cnantgnata ngntnncnag gatanngngg gggggggttn 120
ncanantata gnttttttggg nnagananac ccgtntnccg natntaatnt ntagattggg 180
ggantattnt atantatgag ngggnnatgn ataccctctt cattcngnan acacnnatta 240
naatatgctn atgntanctn cnctctnnta tntcntancg tatattttnt tcaccatnan 300
atnnntnntc ncatcacncn ntannatnna tttntncaat tntncnantc nncantcgtn 360
tanaatcata tcntanatnn ctataanaga cgctctaact aatcgcacnt atnntattta 420
tcnntannng agtnttntat cntatatcaa tatanatttc tcttagatcc nanttacntt 480
acctntannn ctcntantat tctnactnnn nnntcnacgt nacgnaataa tancttctat 540
nnacgctcgn tgatgncnac tgntnntatt nnatnnaata ctacttctcn ntcntncnnn 600
cntctatcac atttncgata ttgaactcgt ntntatnctn ccttanntca tnnttntnac 660
acantanaca tcanntangn atnntgctcn tntancntna tctnnctana tctctctatc 720
tantannttn tacnctagcn aannctnntc nnatntattn antacttcaa tactntntnn 780
actnttttga cctnatttnc tnnnnttgtt gcttttataa catntantnt annntctgac 840
ncttatancg atntatctcn atannanttt ncncnctatn tntcncttta tnnntngctc 900
acnatatnna cnnnncataa gataaacntc cnantnattt acncatagat ntatangtaa 960
nattatgtca tatgtccttc antntnntnt gacatatgaa tncagtacct atatctgatc 1020
nngcatatan nctcgcnacn aacnctcata naantatcct tatatanata tgaattngtg 1080
tangagntat gccgntaacg tgntcnatac gctctatata tgcaatnatt tttttcatac 1140
ncatgtacag tacntctatg tnntatntag tanatgtctc nactatganc tganantatt 1200
cagntatagt cccttncnac tcatctcgan anactctntc actatnnata tannttctct 1260
naatctatnn ntatatctct cttgatnctt ctcacaaaan atgagantca tgtatatnta 1320
ngcgn 1325

<210> 1923
<211> 823
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(823)
<223> n = A,T,C or G

<400> 1923
nnttntnnna tannggggnn nntttntntt tgtacncntt ttnntannca gnggggnaaa 60
cgcgnttnnn nantccccca agtttacttg ggatnaannt gnggtgggga atanctgtat 120
gaatatanac cncggnngac ctgntagang cctgnanatg ctgtncacag ctcngggttt 180
tgggatantn tccgtggnta ctgtatgtna cgganagtta tagcctttac ttactgtnct 240
ccctnacttt ggagngatga gagatcngnn ttnganntca nnatcntgtt ggatggntan 300
tctgnctacg gngctgntat ngcaaatcac ntactgngat tgagcacctn actgttttnc 360

ccctcctctn ctcttagatt ctgnttgnnc cggttattct ctacctacct cgangtaatg 420
tgtntctcgt cactcctatc tantctcctt nccctatct tctntgcctt natntnnaga 480
atctgtggng nanntcctng gcatcataan cagnttnatc tnttanaagn tnttngtgtt 540
nagtaaanaa gcccattntg tgntnctttn atctagnnnt ntcggggtnn ggaaaanntt 600
atnnnnatta nttnaaggtg gannntnaan cgtntgaata tttctnatga aactgggnat 660
ntgtngtcct aatagggagt natnctantg ctactggana gangnttggg gatttttcaa 720
tgntaagngg gnttggactc ttatcnngtg anatnnntna nnggggtnn gngcgngctn 780
aacnatgntn tgaaatantt ngngggtnng gcntanaana nng 823

<210> 1924
<211> 1171
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1171)
<223> n = A,T,C or G

<400> 1924
attantnact anaagtagtg gggannnntt anttatttna antcnnntnt ntnangnggt 60
nggntnatnc nnnatttnnn natnaggncg aatnncnntc ttntaaattn aagngtttcg 120
cntnagggac tanttggtct aaacttgtgt gctcnattct gggnnaatnt agtnttncan 180
tcttggactn agnggtaatg nttnttcana nttattctaa caggnannat ttnngtnntn 240
nttcaataag gngtgtannn nangtgcgng anngannnaa nntggttaat gntggtnatc 300
ataatagatt atttntataa tgccatacna nnnagngtgc tcttnnngaa tantgattac 360
ttgntttnta gttgatnann gattttgaat tgnngnattt tctaangcgt tanttngcta 420
naaatcgggg ngtngttgtg ntagttaacn tgannnatcc ntnaggcngt cngcnatana 480
tnattcttna nacatccagt ntntagnttt aantntattg ngantagggg tggaacattn 540
nggaactcat ggattgccta tcnntttctt tatcatncga tgggttaann gttttgttat 600
atgatagtat anatnnnang aanaatgatt tgnntaaata tctacnttgn nataggntaa 660
gttattctgg natngtgtta ttngtcnaga atctggntct nttnncatan cngnggannt 720
nntcacgntc ntgntnanga ttatncnnna tatatatacg cntttctgta tttagnanat 780
ntntattttg tgaantaana tntacntnat nngntngtct natnttnccg cantatatnn 840
gnatngatnt gtnctatnat tnttnngagg tnncatttgg naganctngn nctcantnga 900
cgaatttntn tcttgtacan antcgaaana tncggtaana agggacnaaa tntgtgcctc 960
anacatnaca cantacggca tagtgacatc tnaggnnnga tcnntagtna taaatctcta 1020
cccaganntn atcacttant nnnggtnnaa atnntctcta tgttttgagt gggcnaattg 1080
nattatctna tntctgtaag gcnctntngc ggntactana tntctanatn tactnntctt 1140
ntancnttgn gnntntnctc acctncgngn n 1171

<210> 1925
<211> 1010
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1010)
<223> n = A,T,C or G

<400> 1925
tntcgttnnc tnatagnggg gtctntgtna ttttntnnca nntnnaatag aggtgggagt 60
ctagnnttgn nnnnagaccc gagtgagtga ggggttnatn nngnnttnag ncnnggngtg 120
cgnttttttnt ancntanaaa tctnttntcg tnnanttntn ttngctaann tttanntagn 180
taanangttt taagtntagn tccntnnant atnatgnntg ntnttaagnt cataatnatn 240
tnnncaagat ntgnnanngt gcttagaaag taaattattn antttggtng ttaagtagat 300
ntgtatnagn ncnaaatana tnnaatcgat tggannttttg tnttnaatat ngnntncntg 360

agctnnannn aaaaantgna ancantnaan tttnanntca tnnagtngga anttaagttc 420
tnntnaacat tttcntnttc atttaattga tatattatta gtgataaang gtactaantt 480
tngtattatt nnnnatnatg gtaatantca gtttgcantg tnnttattnn gtccnaangt 540
ngaattgtna aaaatgtgna tnnnnanaat ngcgtagnta taanatnngg ntntggnatg 600
ganctnnnat nttngtnatg tattngntnc anatnnntat cagatatngn tnaggtntng 660
ctntatnatt acangnttat tnaagtnngc attatttngt ctacggcatn atangnanan 720
tnnttanann attnnnntgg anananattn natgttgaan tgggagataa cnntaannntg 780
ntgtttnnna antgtatatc gnatattncn catnntangt ananatatga nnagtttaan 840
gttnntatga ntggntcncn atgttatatt nnttcaggta tagngantat nggtannacn 900
cnatanattg nctcatgatn atgnganaaa tggancnaan tctanatntt tganatgaaa 960
catagntagn aaatncgatg tgtnagaang tatggttgta tngcanatng 1010

<210> 1926
<211> 665
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(665)
<223> n = A,T,C or G

<400> 1926
gngntcgaat tcggcacgag acnannntnc ttatcctcan aacacnttag nnnagctctn 60
nagtaatctg gctacnagta tgccntagaa aagnngacac attnnctnaa anatgatgat 120
agagaacang tgatnttttg ngcngattac caanganctt tgccctgttg agngtctggn 180
ggatcatagg gantcctnnn cngccnttan antnatngca aggtcangat cgctgagggn 240
tgagnatgga nctntcatac ctataanggc aacctngagt tgatcnaaaa aangnnnacn 300
tnctcnnagt acaccnactc anancanngn ngacatntgc atnnannngg acaccntctc 360
attaatantc aaaggataan ntttcttttc ntatgacanc ncctacnncc acnngtnacn 420
canggcncnt cnctcnanac agtaaaccca anncacnntg cncaccanat cacctgtnca 480
gaggnttatg cctnagcata tttcttttaa gccgaggnna agttcnntat gccacccctg 540
ctttgtaaca aanttatntt aaagtgactg gaattatcta ttccccagat ngatcatctt 600
cccctgcaac gngactctgt ntcctgcgcg gnttccatgc tgactagtcc cctactgnta 660
atatn 665

<210> 1927
<211> 1035
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1035)
<223> n = A,T,C or G

<400> 1927
aaaannaaaa antgaggggn natanatata tanntannaa naanaagang aaggggata 60
aaanagatgg nnggcnggng ggannnatat gaaagggagn anagaanana ngnggaattn 120
caatatgant angtaatnat aaaaagagaa agtnggaaan aattataaga nntantataa 180
aangaaaaaa atantatgan aatnaatang tnanaagaaa tataaataat anataataaa 240
ataanaatga anananaaga ngtaaatatt agnaatatga antaaaataa tnnnaaaata 300
naaatnanna aaaaaaatan aatgtnaaaa annaatanan ggaaatntna aatanaanaa 360
taangnantg ataaaatatt anatataana aaaannnaaa anagnaaaaa tntaaannta 420
aaaangagaa antgaaaata anataantaa gaanataaat aataaaagta taatatgaaa 480
aaaatanata ataaagaann tataanaatg aaaagaagat gtaanntnan tatatnanat 540
naaaaaagan aaagngaaaa aanatattna atataanatt anaagatata aanatngata 600
gaaanaanta anatgagann anatagagaa gataatanna taaanaaaga gtaantaana 660

aanaataaat gannaantaa taaatanata aataggtaaa angaaaataa aaataaaaag 720
anannnaaga tgaagaagna angaaaatgn aataanatat aaaannnagn atntnanaga 780
gataanaagn aaaaaaaana aanananaaa agnatganna tanaanaaat aaaaagtata 840
aatataagaa tngangaaag angagtanaa tgatagngac taactataaa gaatatnana 900
gnaanganat gagaanaatn atngaatagg aaanataann attatntnaa natnnaatta 960
gntatnaata tnaatganna taaanaaant atatgaagga aanangaana ataaaaatna 1020
angtaaaaaa aannn 1035

<210> 1928
<211> 665
<212> DNA
<213> Homo sapiens

<400> 1928
cccgatcgaa tcggcacgag ggaagacaca ataattttaa attgcctaca gcaggggttg 60
gcaaatagtg gtgcaagggc cacatctggc tagcagccta tttttgagaa tgaagtttta 120
tgagaaccca cacatctgtt tgtagattgc tatggctgcc tttgagttac agcagtggag 180
ctgagtagct gtgacagaga ctatatgacc tacaaaaact aaaaatattg gtcctttaca 240
gaaaaagttg tctgacccct ggcctactat ttcaaatcct gggtaggtcc tccacgtcag 300
ttcttcatgg aactgtattg ccgagggaaa ggcagtcccc acactgtgca gcccttcatg 360
ctgtgctcct ggctttctct gccatcctga gccgcaggct gtggggcagc gcagcaccag 420
cactgcagct gagcagaagt tttgtgcccg cctgccccca tcccctccag gccacgtttt 480
agatggccct tgtagttgcg ggtcctgggt gtcctcagaa ctagacatca atgcctggat 540
ccttcagccc ggccctgccc tcctttagga gacaggagtc accagggcac agccctccag 600
cccgcctcag gaaggaatga aaggaatgcc atcatctcta gttcccaggg cccagccttt 660
ccctt 665

<210> 1929
<211> 665
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(665)
<223> n = A,T,C or G

<400> 1929
cncnttcgaa tcggcacgag gattgatgta ggttttaaaa aaggcatttg tatgttgtta 60
gcttacatat ggggctaggt aatttcattg cttaaaaaga tgcgcctagg ctccctcttg 120
gtggctggat ttctttttct tcgcccgtgg tggccatggt tcttaatagg gccaccggaa 180
tcatggtttc tttctttttt ttttttnna aanggagtnt cccentgnna ccnaggntgn 240
agngcagggg cncaatntng gttaantgaa accttngcct cnngggttna ccccnttntc 300
ntgtntaacc ctcntnagna nnnggaacta cnggnnaatn ccnccacccc cggntnattt 360
tngnnttttn agaaaaaang gggtttnacn ataggggnna ggntgttntc aaactcnnna 420
cntaagggna nccncctgcn tngnccnccn aaagggntag nattacaggn gnnacccacc 480
acncccgncc cnaaanaaag ggtttttgna ctttctgaac ccctngtncn tnagtctgct 540
ggnanattna ngtggacctt aatnattttt tattctgaac ccctnttaac ntttaatgng 600
aaatntaaaa aattaaaaag tanaanggnt tttattgttt tgacaccttt gaaatttta 660
taaan 665

<210> 1930
<211> 673
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(673)
<223> n = A,T,C or G

<400> 1930
cccncnncga ntcggcacga gggcacagtc ctctctgttc atagaaacac ctgccagtgt 60
caaggattcc agtcaggtgt ctatcccaac tggtcaggga gagaagggca gacccattct 120
caaagaccac catgtccaag gtctgacagc tccccactgg ctgcccccac aggggcttta 180
ggctggtctg ggtcatgggg aagcgtccct cttatcgctg gtctgtgttc tcctggattt 240
ggtatctatg ttggtacgac tcctggcctt ttatctaaag gactttggct tttgtaaatc 300
acaagccaat aatagacttt tttctccccc tctgtttttt gctgtgtcat ctctgccttg 360
agactgcctt gagacagtgc ttgccttgag agagtgagcc aattaacagc tgcctgaatt 420
gtcattttcc attttggttt gttagaggtg ggaggggtgg gttttgagaa ggtcaaaagc 480
aataccagaa gtaaagggaa atatcagaca atattttatt attttttcat agatgttctg 540
ccacacaaag aacttggggt gtaaggataa aggcaaaagc ctccaatccc atttttcaag 600
ttctcctang atgcacccct taagggagcc ctggccagag ttccgaggcc cgtgagcgtc 660
aactgttgct ttn 673

<210> 1931
<211> 667
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(667)
<223> n = A,T,C or G

<400> 1931
ccnccncctg ggaggaataa ttcaatttga ttggcagata tatataatac agtaggagaa 60
taatgggaga aagataaatt gagactagaa taggtagact ttaaatgcct gtctggttta 120
ggtatttgaa ctttcaaggt gtggtaaatg tttgagtaaa ggaataatgt gtccaaagat 180
tattatggaa ttgtctctct gcatacctct atcgctgttt gtcacagctg tgttcttatg 240
tgactgattc ttcctgaaga ttagaaactc ctcaaagact ggttattaga gcttattctt 300
cattatagcc ccagcactta gtgcaatgac agaagcaaaa atattaattg aattgagaga 360
aaattgagat atagagacga gtcatttttg ttcacaacag aactagtatt taatgaaata 420
taatggaaaa gactgagttg ggttactgtt taactgagag catcagagat ggataggcag 480
ggaggattta gaactgagag tgaattacag caatgaggga agcagaaagc tggaagttga 540
gagcgtttgg cattggggag agtgctgagt gagcagagtt tttggaggta gagaaattta 600
taaaactaat cagaatgaac atttcatttg aagtaatagg gtaagcctct gaaaattgtt 660
cctangt 667

<210> 1932
<211> 708
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(708)
<223> n = A,T,C or G

<400> 1932
cccnntccna ntcggnngng caacnacntn gnnngncccc cctcctatag gngaattcaa 60
ctcantgccc gatntnncta atacagtcag gntnntanng ngngaacnan aatttnntac 120
tannanacnt agactnnaan tgcggngtct ggtttatgnn tttgaacttg cncnagagtg 180
gtatncgctc ncataaagga anaangtgnc caangattat tatggaattg tctctctgca 240
tacctctatc gctgtntgtc acagctgtgt tcttatgtga ctgattcttc ctgaagatta 300
gaaactcctc aaagactggt tattagagct tattcttcat tatancccca gcacttagtg 360

caatgacaga agcaaaaata ttaattgaat tgagagaaaa ttgagatata gagacgagtc 420
atttttgttc acaacagaac tagtatttaa tgaaatataa tggaaaagac tgagttgggt 480
tactgtttaa ctgagagcat cagagatgga taggcaggga ggatttagaa ctgagagtga 540
attacagcaa tgagggaagc agaaagctgg aagtttgaga gcgtttgnca ttggggagag 600
tgctgagtga gccagagttt tggaggtaga gaaatttata aaactaatca naatgaacat 660
ttcatttgaa gtaatanggt aacctctgaa aaattnttcc taggnttn 708

<210> 1933
<211> 641
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(641)
<223> n = A,T,C or G

<400> 1933
agagtttang aagaaaggag gatttgaagg gggaggattc cttggaagaa agaaagttcc 60
ctatctggca tcatcaccaa gtacttccag agtgctggga ttacaggcat gagccaccac 120
acccgacact taaagggcat ttcttattta tccttgtttt agtcacacca tagtggaatg 180
agtaatcagt tttagaagct gcaaatttac cattctctca aagatgctag tgtaataggg 240
cactttaatt atgagtgggc tatatgctta ttctgtatgt atccttctta gtgagttgag 300
aatattatgt attctaatgc tttttttctt anactgaatt gggtgactaa atacatttgt 360
actatataat tntagtgatt ttaaaatcca gctaactttg caaacttggt ttggaaatct 420
tgttaaccac taatatatac agccatatag ataaatggat gtttagttca ttagatctta 480
ttaactgaca attaactgtt ttaataggaa caagagtttg ttcagaaacc aacagccaag 540
aatttagatg gctctctgaa aaagatcatc ccancagcag aaggcagaag ttagctaata 600
ttgagagaga gtgcctggaa taacaaagca acagnttcat g 641

<210> 1934
<211> 657
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(657)
<223> n = A,T,C or G

<400> 1934
cctaggtggt ataatgtgat gtacattaca catgaactat ctacactcac taaaagccat 60
tatttaagag taagctcaca tagcacacct atttccttgg tgttgcaaag cttgaggttg 120
cacagctttc tcattttgta gagcaaatga cagttttcat caacagacca atggattcac 180
agctaagaat aagacaactt gaaaactcca cgttttacaa aatcattttc tattaaatta 240
taaaaacctc tgggatccaa actagcaaaa aatgccaatt ttcaaaaaaa aaatttttta 300
gtggaaaata caaatatggg ctctatctaa tttttaaaaa gctggagctg ggcatggtgg 360
ctcacgccta taatcccagt tctttaggag gctgaggtgg gaggatcatt tgagttcagg 420
agttcaagac cagcctggac aacatagcaa gactctgtct caataaaata aattttaaaa 480
gccgggtgcc atggctcaca cctgtaatcc ccggcacttt gggaagtcaa aggtgggcag 540
gtcactttga gatcaggagt ttcaanacca gcctggccaa atatngnnga aanccttgtt 600
ttttttttga aaaaaaccaa aaaatttaac cttgggccat ggtaaacaag gcncccn 657

<210> 1935
<211> 646
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(646)
<223> n = A,T,C or G

<400> 1935
tgctgccgcc tggtcagtat tgggaagcaa ggtgaccgca ngggggtatg atcatgcagc 60
ccacttgttc cagggttcac cggggccccc aaccgtttct actgcagcca aaccanatag 120
gctactggtg gggcaagtcc aaggtctncg accatgccac ctgccctggg ggctcccctg 180
gaaccccggc ccctggattn agctctgcag cctcctccgc actcaggatc agccctcctg 240
tcctgccact agccctttg tccccaggtt cagcgatacc caggccacgt gcccaacttt 300
ctgagccana cccagggcta cctgcggagt ccacaggacc ccctgcgccg ggcagccacc 360
gtgcttatag gcttnctttgt ncaccacgcc agccncggct gtgtcaacca ggacctgctg 420
gactccctgt tccaggggcn tgaatgagga acgcgccact tggacacatg aggaaaaagc 480
tgcccttggg agctactgat gctgtgacct cacctctctg gntttgggcg gnaggnccct 540
tgcacctagg atgcctngcc ttggaaaang nccttgcatt cgtgggcctc cnttanaggc 600
ttcttcttaa aagaagcctc ttgcgaatgc acagggaagt gtgnca 646

<210> 1936
<211> 654
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(654)
<223> n = A,T,C or G

<400> 1936
tttgaagnnn nncnccgcaa atatgccaaa ttttgtatta taattcaatc tgtatgacag 60
ttatgtgagt tttttttgt tttgttttat gcttgtgtga agatttttgt agttaagctt 120
tttttaaaaa aaagtcaact gagttactta cgtgatgaaa ttagaacaca tacttcttac 180
aagcacattc tctcctatcc ccctctccat ttcagttggc accataatgc cattttgcc 240
taaccataac ataaattaat atcattttat tttatggagt ttttctttct gggataataa 300
catttctgct ttgttgcata attatcacag acaggttttt ctttttttgg agatggagtc 360
ttgctctgtc acccaggctg gagtacagtg gcgcgatctt ggctcactgc aacctctgcc 420
tcccaggttc aagcaattct cctgcttcaa cctcccccag tagctgggga cacaaggcac 480
ctgccatcaa gccccagcta atttttaaaa atatttttaa gtagagaang gggtttctcc 540
atgttggcca gnctggtttg ggaactcctg gacctcaana aattctncgc acctcaacct 600
ccgaaagtgc tgggattacn ggnggtgaac cacagngcct ggccacacac angt 654

<210> 1937
<211> 748
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(748)
<223> n = A,T,C or G

<400> 1937
cgcctgggaa tactcgggag gctaaggcag gagaatcgct tgaacctgac ngnntnncgg 60
ttgcagtgag ccgagatcgc gccacttcac tccagcctgg gcgaaagagc gaaactccat 120
ctcaaaaaaa aaaagggaag ttgaanaana nctgcaaatg tnttgttngg gtaactttat 180
gnagggttgt gnncgtaagg gccattannt aaccccagga ntncntttaa ngggaaaggn 240
ggnnaaggct gttcaaacnc agngagtcca tgtnnaaaat atgttttgtt tccctnattc 300
ntttccccat cttttagtta ctaaaanatg taactgaact gcanatcctt ggngaaatat 360

ntttcaacaa atntttattt gagggactga ttgcanagan ccacanacta anatcnntgt 420
cgcnttcctg aaagatgaaa ngncccattn tttgcctatc ntcnttaaag gncagcngtt 480
gggggacttc tgggnntgga ccggnattnt ggcnntccnn gttnaanngg gggctttttt 540
taaaaanaaa aatttcaccn ccntngacct ttggannagc nattagggaa nggncccatt 600
tgnaaatnca anaaaaatnt tgcntccnaa aaaaaaaaaa aattttaggg ancctggntt 660
ntnccacttg ggggannagg gnttttaanc ccnaatcctt ngggaacttt ggggaaaacc 720
caaccttccc tttttggcat tttaattt 748

<210> 1938
<211> 640
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(640)
<223> n = A,T,C or G

<400> 1938
ggctgtggtg gagaagctgg gggtcccctt ccaggtgctg gtggccacgc acgcaggctt 60
gtaccggaag ccggtgacgg gcatgtggga ccatctgcag gagcaggcca acgacggcac 120
gcccatatcc atcggggaca gcatctttgt gggagacgca gccggacgcc cggncaactg 180
ggccccgggg cggaagaaga aagacttntc ctgcgccgat cgcctgtttg ccctcaacct 240
tggcctgccc ttcgccacgc ctgaggagtt ctttctcaag tggccagcag ccggcttcga 300
gctcccagcc tttgatccga ggactgtctc ccgctcaggg cctctctgcc tccccgagtc 360
cagggccctc ctgagcgcca gcccggaggt ggttgtcgca gtgggatttc ctggggccgg 420
gaagtccacc tttctcaaga agcacctcgt ntcggccgga tattgttcaa cgtgaacagg 480
gtancgtnca gtgtgcccga nccgcgggcg tcccttgccg ntgcttnctc ttcancgcca 540
nntctggagc angcgcccca cnacaaccgg ttttnngana ngacggactc ctctnatatc 600
cccgtgttca nacatggtca tttatggcta caggaancna 640

<210> 1939
<211> 646
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(646)
<223> n = A,T,C or G

<400> 1939
gnnncggccn gaatacattt gttcatgatg tcaagtgtct ggtatgtagc taatgcttat 60
tgaacacata gtaatttatt gaataattgt catgatcact ggatgagata tagccactgt 120
ggaggtaggc acaccagggt tttagaggct tgggatcttg caacaggatt ttcctcttgc 180
ctctccaaac tgccctttgc ccagatggct tcagcatctt tttgcatccc tgtttccttg 240
tttggtgaac acctgtctca acctgtctgc aaggcgtggt gagattctgc atccttggta 300
agcactcatg tcactccaaa acagctgttt gatgctaata gcacacatga ggtcttgcaa 360
atttgtctga ggaactacag gacattggag agatatttat caaacaccca ctacatgcct 420
gatacttaac taggaactag aaagtgggtg gtgaagacaa gtggaaagta aatgcaaacc 480
tattcccata tatgtttgnc gcttagattg ttcccaccaa ttccctcttg gaattgaatg 540
aatggacgtg tgtgtgtgca tgtgtaagng gagtgtgtat gccttgtgtg gtattctgag 600
ggcaagtcan gtanagggaa aggaggccan aagccagaaa aatggn 646

<210> 1940
<211> 704
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(704)
<223> n = A,T,C or G

<400> 1940
ncagatgtgc agttgtgttg actctttgtc tcccggtgat aaacccatgt gatatnnccc 60
aaagtagata atcaaaagaa ttgaccaaaa aatattaaag caaagcaaag aaacaaaagg 120
tgatactgcc agaagtgaaa tttgaatgga acataaatgg aattacagag gaaatagcaa 180
agagtgggaa tgttggcact gctgttgttc cagtgactct agatttgctg ccagacaaac 240
ttagtgaaag cattgtgaca taaaggatga acaagtgaca ctggcataag attttacagt 300
aaacaaatcc tgaagataat ttcatgacat tgaaggcacc aaggatacag tgtcagaagc 360
tgatccttag gaatataacg gttcaccatg gcatagaaaa gatgtatccg gccaggtacg 420
gtgcctcaag cttctaatcc cagcactttg ggaggccgag gtgggtggat catttgaggt 480
caggagttca gggccagcct ggccaacatg gtgaaaccct gtctctactt aaaatgtaaa 540
aaattagctg ggcagtagtc gcatgcgcct gtagtcccag ctctcaggag actgaggcag 600
gaaaaatcgc caaganctg ggaaggcgga ngttgccagt gaaccaaaga tcgcaagcan 660
ttgcacttnc aacctggccg anagantgag aaccttgntt caan 704

<210> 1941
<211> 717
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(717)
<223> n = A,T,C or G

<400> 1941
ccncgatcga ntcggcacga ccacctaaan atcattattt tcaatactta aatattagcc 60
catnnnnnnt tatcttcaga tgtctataat tggaagccta tatagaaatg gttgatgagc 120
ctatcggttg aaccactgca gagaatagag tgatggtctt agggcatcct gtactttgca 180
tgctcctcct ggaagtaaag agtaagacag agaatagtaa taatcaccca ttccagaact 240
ggttgcacaa catcacaaaa gcttgtccag acttattagc aagttaataa aaaactagac 300
ttctttctaa gtacttataa tttaggctgt ggggtagttc tgttatgata catttgtttt 360
aaaatattct gcttcttttt aaagtgagtt gtatgtgtct ttgttgtagg gacgtgcaat 420
ttttgccagt ggcagtcctt ttgatccagt cactcttcca aatggacaga ccctatatcc 480
tggccaaggc aacaattcct atgtgttccc tggagttgct cttggtgttg tggcgtgtgg 540
attgaggcag atcacagata atattttcct cactactgct gaggttatag ctcancaagg 600
tgtcaagata aacacttggg aagaagggtc ggctttatcc tccttttgaa taccattaag 660
agaagtttct nttgaaaatt gcagaaaaag aatgnngaaa gangccttac caagnan 717

<210> 1942
<211> 714
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(714)
<223> n = A,T,C or G

<400> 1942
ccccgntcga ntcggcacga ggttggaagt tcctaattct ttcctcggtt aactgtgaaa 60
ctctgnnnnn nnggaaggcc tggcctcagt catcaggcca ggagaggtac tggacgccgc 120
gcacgcactc gtctgccagc gaggcccaaa ggggaagcct agcggagctc agtgtggcag 180
ctgctggcct ctgggccggt tgtgcatcta atcatccaaa aaattcagct caaaacctga 240

ctaaagatag tactttaaaa catgaaggct tctattcaga gaacttaact gaatctagaa 300
aattcctgaa aagtagggaa aaacagtcca gcctgaccga aataaaagga tctgtttatg 360
aaacaacata cagtcctcct gaatgtccat tctgtggaaa aatagaggag cacagtgaag 420
atatggaaac tcatgtgaaa acaaagcatg ccaatctttt agacattcca ttggaagact 480
gtgatcaacc actctatgat tgtcctatgt gtgggctcat atgtacaaat taccatattc 540
ttcaggaaca tgttgacttg catttggaag aaaacagctt ttcagcaagg catggataga 600
gtccagtggt ctggtgatct acaattggct cancagcttc agccaggaag aagacagaaa 660
gaggagatct ggaagaatca agacaggaaa ttgaagaaat tcagagcttg caga 714

<210> 1943
<211> 718
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(718)
<223> n = A,T,C or G

<400> 1943
ccncgntcga ntcggcacga gccaaaaggc ataaagataa gtgagggatg gagttctgga 60
agttgtgnnn nngggnnaga tttactttca ggtattggca aaaatcacag ctggagtgca 120
gattaagcat ggtaggaggg tggtgattgg agaaggaatg gaggggaaaa aggaaaaact 180
acaaatcatg ttaaaactgt cctcattgag ttttacaagt aatatactgg tcttatatac 240
cctttcctcc taccgtggga aaatatcact aacttgtaat aggattaaat gaggcaatac 300
gtaagctttt tagacatttt ctttatagag aacattatta gaagttgttg gcctggcgca 360
gtggctcgtg cctgtaatcc cagcactttg ggaggctgag gcaggcagat cacctgaggt 420
caggagttca agaacagcct ggccaacatg gtgaaacccc ttctttacta aaaacacaaa 480
aaaattagtc nggcttggtg gcacaagcct gtagtcccag ctactcgggg aggatgaggc 540
atgagaatcg cttgaaccca ggtggcagag gttgcagtga gccaagatca cgccctgcac 600
ttcacctggg caacagaagc gagantccat ctaaaaaaaa aaaaaaaaaa aattcggccc 660
tttaaaaatt ntagggagcc gttttacgna nannncccaac cttganaaan anacattg 718

<210> 1944
<211> 715
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(715)
<223> n = A,T,C or G

<400> 1944
ntcnantcgg cacgagctga ttgagaatag tncgagatga caccacttgg gtaaaaggac 60
nnnnnnnagg aactgagcac tcgctgggac actgtctgta aactctctgt ttccaaacaa 120
agccggcttg agcaggcctt aaaacaagcg gaagtgtttc gagacacagt ccacatgctg 180
ttggagtggc tttctgaagc agagcaaacg cttcgctttc ggggagcact tcctgatgac 240
acagaggccc tgcagtctct cattgacacc cataaggaat tcatgaagaa agtagaagaa 300
aagcgagtgg acgttaactc agcagtagcc atgggagaag tcatcctggc tgtctgccac 360
cccgattgca tcacaaccat caaacactgg atcaccatca tccgagctcg cttcgaggag 420
gtcctgacat gggctaagca gcaccagcag cgtcttgaaa cggccttgtc agaactggtg 480
gctaatgctg agctcctgga anaacttctg gcatggatcc agtgggcttg agaccaccct 540
cattcagccg ggatcangag ccaatcccgc agaacatttg acccgagtta aaagccctta 600
tcgcttgagc atcaagacat ttatggagga gatgactcgc aaacagcctg acgtggaccg 660
ggtcaccaag acatccaaaa gggaaaacat agagcctact ccgcgccntt catan 715

<210> 1945

09348920.090499

<211> 1006
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1006)
<223> n = A,T,C or G

<400> 1945
nctannanan atacnnntna atnaantann atatcanttn aaacacnnnn atcnantatt 60
atctnatccc tananantan aaatttnngg gctntnttan ntaatcanat caaagggant 120
atnnanttnt anancctaac ttntcntcan tntctnnnnn tgtantacga tttcctcann 180
ntnntntgaa aaaacnattt nngccaactg ctaanntact cantcgttac tgaaancaac 240
nagtgtagca ataaatggct aatagttcca ttggncgtnt nttactcaag cannaantac 300
ancannngtn aaaacgnngc caacatanga tacctttctt ggaacnattt ttgnnnctna 360
taaggcnaan agncttgttt cnaataaagn tntacncctn anttnattaa cttgctantt 420
antatgaaca nttcnatatg aatnaaatcn aaanaanaat ctnatnnnta ttgatttctt 480
cngatanann cnatnttatt nccttttaatc tattgcctnn aanttcnnct anntntncnc 540
anaagctgtc catgaattta tttcannncc acntaattna gggnnncacc nantaagcnt 600
tcntgatttn anaannattc nttgnntacn actggttnat ttntnnaann aaaaatgtta 660
nnactntgtn tnatnaattn aaanacntnn tngctaaana agngnaacnt aanaantctt 720
aaaaaannnt tnccacttaa atnanttacn ttaataaant ctaaattggg aaagtnaata 780
atttcanaaa nctnattntt ttttaaacta tccttattta atntgnantt tnaaaangna 840
ttnaacttnt nacaanaana anaaaanctn ganctntaan cgaatngttn ctttttttcn 900
nngataaatt ntcgaanaaa atantnnaan ncnatantta aaangnnana tagnnaaaac 960
tnccataatn gttttcctan aaacttaaaa aatantnant tntncn 1006

<210> 1946
<211> 701
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(701)
<223> n = A,T,C or G

<400> 1946
ggtctcgcca aggtgtgatt ggaaaaattc aaaaaattgc aacctcaggc ataaatggnn 60
caaggacatc ccaagcccaa gtggtacgtg cctcactcag aactgacggg ccgagttcta 120
tctaggtgtg tcttccagaa cctgtttacg gctaactgga taactgagag acttgtcatt 180
tctaaagaca tttaagttgc tccagggatt tctgaaaaaa gacacaggct tcttcctaga 240
gccagcccta tataacatgc ccacaagggc aacagttatc acagttcata cacacctttc 300
atgtcctgtc tcactcactc ctcacagcca tcctaggaga tacatattgt tttcatcctg 360
catttacaga aaaagaaatg aaaacagaga gcttaaataa tttgccacag taatgtcgaa 420
actaggcctt tgaaccaagg cagtctaggg taaaatatag tttcaaagta tgaataagaa 480
ttggtatttg tgttatcttt gagtaagaaa ctgtccgata tgaatcacaa cgtgggtgaa 540
tgtagtattt tcctgaagtg tgaaagactt aaaaaaaaga atcacattgt tcagaggtgc 600
tcaatggaaa gaaaaggaaa tgaacaagtt tgttaaaagg ataaaaaata aaaaaattcc 660
atccttggtn nnnaaaaaat nctnncctct nnnnncnanc n 701

<210> 1947
<211> 724
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (1)...(724)
<223> n = A,T,C or G

<400> 1947
gacctcgtga tccacctgcc gcggcctccc aaannnnnnt ctcactggca tgagccaccg 60
tgcctggcca gcaattagaa ttttaacact ggcagttatg aataatatga aggagaggta 120
gatttctgag tgattctggt ttaaccagct gggtggatgg tggttccacg tattcaggtg 180
gcaaacagga aaaacatgtg ttcgaagaag aatggaggta ggtggtctct taagaatggt 240
taagaggctt gggagtcaga ctgcttgggt ttgcatccca gctttgccgt tttctggcta 300
tcaaacttgt cagctattat ttgttgagta cgtactattt gatttatgac cacaggcagc 360
tgagcctcag tgttggtgcc tagtgtacaa gattgttaaa gaataaagtt attttgcaaa 420
gtgtaaccca tttttagcac tgacatagca ctgacagtag ctgctgatct cattatgggc 480
taaaataaga caatattcaa aggtcagaga tatcttaccc agaatctggn tggaggctgg 540
gantttcang attttggttc caggaantta gacngaagga accccagang ggggncaggc 600
ctcaatttaa gggttggaag gtngtggggg gtaagggaaa gccaggacct tggntatnaa 660
anttatttgg gaaatcaatt gggccttttt aaaanccaag ggggttttat tgtcacgggg 720
gatn 724

<210> 1948
<211> 1000
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1000)
<223> n = A,T,C or G

<400> 1948
annnnnnnnt nnnnnnnntn ntnnnnnnna nnannntann nnanntacna natnantnta 60
nacnannnnt ananntnnnn nnttnnnana tcnnnataan tatggggcan nannannttn 120
anannaccnt nnnnnggggn tntatcattn nntttgaaaa nccnatantn aatacntnag 180
gagnaattcn cagcangnat tgaagaaaan gtancaggct gcaccntntn ncanatcctt 240
ncgtgcnatc atctccangn antaattgaa agggccattc angaaacagc accagggngc 300
tacaaattta cnggntncac tnggtgatnt gatcttntca tncancacaa tggacanaan 360
gtctaaggaa cgtccttgtg gattcctttg ggntcctgct tctntttaca gcctatggag 420
gtcttgcaag agcctgcana gcatccttgt acagctagga gggcctgggt gatnacancg 480
cctcagcacc ctctatggag gcatgctcct gtnctccatg ttcctcccac cgctcctcat 540
cgaagaggct gggcttgnaa angggaccaa tcaatcctct tccaatgtgt ggntacgtgn 600
gacttcntcc gtgggcaaan tttnttcgcc agcntgggna naanttttgn antcccacct 660
tcccataact tgcttgngga actnngnggg cctgcncccn actttgtggg tctggcaaca 720
gnttgccaca ttacccttaa cngaattnaa cnngngnaaa accacacnat tgcctgaaaa 780
aanggccggg gaaaaaaccg ttggccaaaa caaacaattg gatggaaaac caagntnttt 840
ntngggcaat ctttacttcn tcaaaaanat ncaaatcaat ncccgggtgg tgtggggggn 900
aaacntttga aactnanann cnttggtaat tttggcccan aattccaanc naaaaanaaa 960
ccctttcana aaanaacaan cttcanntat cttgttgggg 1000

<210> 1949
<211> 713
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(713)
<223> n = A,T,C or G

<400> 1949

ccncgaatcg tnttactctg gaaagtagta gcagcacttc aaggacatag gggttgctca 60
tgtcannnnn nnccgnttgt attggaagaa tcataataac aaatatttaa gttggtaaat 120
tactaggtaa acaggttggt ggatttttg ttatttttga gaatactttt tagtttgatt 180
ctttgaatga atttacataa cagctttcct gtcaagtcag taatttcacc catctttaaa 240
aaacaagtac caaaagagtt tcttaacacc atatactcct ctagcagctg ctgcctagtt 300
tctctcctcc acaacagagc tccttaaaag aatgcagttc cattttcttt tttccattct 360
ctcttgaatc cactcctcca gtgatggatg agattgcaaa tgtttgactc tgcctatcgt 420
attactcagt ctcggcaaca tttctttatt tagcttctgg gataccattc tagcctggat 480
gtagtcctat cgttgtgatt actccagtct tcgatgctgt ttcttcttct tcaccctgac 540
ctcgggatga gataacaaat tgtaataaag taacttctct ttttaaaaaa aaaaannnnn 600
nnnnnaaann nngannnnnn nnnnnnntnn nnnncnnnnn nnnnnnnnnn nnnnnnnnnn 660
nnnnntnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nncncctcnc ncn 713

<210> 1950
<211> 700
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

<400> 1950

ccncgntcga ntcggcacga ggcttgattg tggcttgaag tttgaaagga agtgcctgtt 60
tgnnnnnnna acaccaattg gactaacagc tgtcctctgt attaaggcca tctttagctt 120
gtcttgcaaa tactttcctt gttcactaat cccttctccc caccctgctt cctttagacc 180
catgttaatc tattacctgg gagcagctct agattcttga gttggtaatg actaatttct 240
ccgttgctct catcctgttg agtttaatag gctctctttt ttcttactga tgttttcatg 300
atgagatttc taataagtta tttgggagct atcagaatag aaactaataa atattatcta 360
tctattagct gtcagaataa aagcttactg agggtcctga actgtgaggc cactgaaggc 420
aggggtttgg gtctgattta tctgtgtttg cctagagctt taacagagcc tgacacttgt 480
aactcttaaa aatatgcttt aaaataaatc taaactcagg catggtggct catgccagtg 540
atcccaacac tttggaaggc tgaggtggga ggaaggcctg ancctaggaa ctcaaggtga 600
gaagtgacta tgattgngtc actgcactcc acctgggtaa cagagtggag accctgctnt 660
tttanaaaaa ananannntn tnaaaaaaaa ccccncccnn 700

<210> 1951
<211> 710
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(710)
<223> n = A,T,C or G

<400> 1951

ccncgntcgn aancccaaat caaagtggtg atagtaaata tcattgcctt ggttctcacc 60
tcannnnncc cgtttcacca ttaagtgtga tatagcttag ttttttataa atacttggga 120
gtgaattttt aactgggtca tagaggattg ttggatttca gcaagtagaa atcagtggaa 180
attagttctc cagacacagg gaagagacac tagtagtaaa acaaatggtc tcctttggct 240
atagattaaa gggagatagt ggaacacaca catttgtcat gataaccctg gctcaaagat 300
agaagattaa aaaaagttat gatggggcca aatcatggag ataagacagt tgggaataac 360
tcttctttca gcgctaggag gagaatggag ccaacatcaa cagaattaga gaagtcatca 420
agaaaagtta gttatgtgaa ggaatgcctc ttgtggcaat tttttaaaaa ttgcatttta 480
tgatttggaa ctcacccgtc ttaaaataat tggctcttag aaatgttgta ctgctactta 540

gcagaaaatt cagggcaaaa gggtaaatgt gggtatcatt tacatgttgg angacattgt 600
atganaagtt tgaagaaatg tttggtataa aagataaatt taattctgct tctttggttc 660
tgngacaatg ggaaatttgt ttaatatctt tgggncnttc ttttcaccan 710

<210> 1952
<211> 764
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(764)
<223> n = A,T,C or G

<400> 1952
ccncgntcct angtgctata aattcttctg acttgctgtg gctaatttat taatttaaaa 60
agtannnnna nnctttctta ggcctccttg aatctagtca ctctagagat agaatacaca 120
atcttgtcct gatgttttta cttgcaactc acaatcttgt ttggtggttt agttgcaggt 180
ttcagagatt agaccgtata tatctaaatg ctgggatcat gcctaatcca caactaaata 240
tcaaagcact tctctttggc ctcttttcaa gctgaaggcc tgctgaccca gggtgataag 300
atcactgctg atggacttca ggaggtgttt gagaccgatg tctttggcca ttttatcctg 360
gtaaagaagc tgtgggctta ataagctaat atttggtgtg ataagttcct gtaaagctct 420
gggcacaggg cattattata gttgagcagc cagttaactg atttaatctc atgtttgagt 480
tttcttggat tgcatttgcc ttgttaattg gngaaccatg gaaaaacttc tgggaagctt 540
tcctaagtaa gantttttc tttttaataa aatgganctt aaataagttt tttggaattt 600
aacaggaaat taactggcca aaagaataag taccaagaan actttttttg gtnttgcccc 660
ctacccccc angtttttcc ccntaattaa ttaaaccatt ttccncattg ggtatgnatg 720
ccattttggc cgaaaatagg atggaaatcc aatttcttgc ttnn 764

<210> 1953
<211> 736
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(736)
<223> n = A,T,C or G

<400> 1953
ccncgntccc ccccgcgtct cccgggagcg tcgccgccac ctgcacgcgt ctggcacaca 60
aacntnnnnn nntcccctta gtttctggaa gagaaaaagg aaaagccacc gagaggcctg 120
accctgaggg gtcgggggga gatgcgggcg cgtagtagag ggaagcgact gaggagcggg 180
gactgggcag catttgaatg gatgcgggtg ccgctggcac ccgggaagac gcctgggagc 240
cggcgctggg gagccgggca tgggctggga tgtgtttgga ttccaatctg ggcctgacac 300
cagttcagtg acctcgggaa gttccccaac cctgcgggcc tgtttcctnc ctctgaagtg 360
gcgacagtaa tagaaccgac ctcgtaggct catcgggagg tcctgatggg agaacccatg 420
caacttgcca ccacagagcc aggcccgcgg cgactggctc ctggtgggta ttaaagacga 480
gtcgggaaag aagagcaggc tcaatcaaac cttcaattgg ccccgaaaga cattttgatt 540
gaaaacctca ttgaaaaact tttgagccan aaaacccaac caactttnaa aaccccanna 600
tnccttgacc attcagccac ttgngtgnaa aaaaataaaa atgnttngtt ggttttaacc 660
ttggnnnana nggnnntcgn nacntttnna aanantntnn aaaaaaatnt tnnganaana 720
tttttcttct ttttnn 736

<210> 1954
<211> 698
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(698)
<223> n = A,T,C or G

<400> 1954
gaagcttanc accttgatgc ctgacaatag aaactatcca aaataaggca cagnnngaaa 60
gtggaaaaaa aggcaaaaag gaaaacagag cacagataat gtgagacaag gtcagatagt 120
ctttatgtat gtgtaattgg agtccccagg agatgtgaga ggaaaaagag ttgaaacaat 180
catagacaaa atatttccac gtttgatgaa aactatatta gttgtgtatt gctacctaac 240
aagttattcc aaaaatttag tggcttaaac aaaacatcca ttatctccca gtttctctgc 300
gtggctcagc tgggccctct ggttcaggga ctcttcacac ggctgcaatc aaggtatcag 360
ctgaggctgc agtgatctca gggcttgact gagggagact gctttcaggc tcactcgtgg 420
ttattggcag gatttagttc cttgtgggtt gttggcctga cggcctcggc ttcttcattg 480
gctgttggcc agaggctgcc cacaattctg gatcacatag gcttctccgt agggcagctc 540
acaacatggc aagctaactt cattagaatg aacaagcaag aagcgccaaa aaaaaaaaaa 600
aaaaaaactc ccccctttaa aanatatagg ggngtccttt tncnnaaatc cccncttgaa 660
aanaacccct tgggggaatt tgggacaccc ccntnttn 698

<210> 1955
<211> 708
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(708)
<223> n = A,T,C or G

<400> 1955
gtagcacnnc nacagcacct tctcaaggtg gaaaatccat ggagtttagt tactgttgat 60
ctgatggggc cttttcatac aagcaacaga agtcatgtat atgctataat catgacagat 120
ttgttcacca aatggattgt gattttgcct ctatgtgatg tttcagcatc agaagtttct 180
aaagctatta tcaatatatt tttcttatat ggacctcctc agaaaataat aatggaccaa 240
agagatgaat tcattcaaca gatcaatatt gaactgtaca gattgtttgg cataaagcaa 300
attgtaattt ctcacacctc tggaactgtt aacccaacgg aaaggtcacc taacacaant 360
caaagcattt ctctccaaac actgtgctga ccacccaaca attggggatg gatcacctat 420
cagctggttc atttgccttc aaatggtaac tcacttggga acctacttaa aaaataccac 480
catatttttc caaaatggtt taagtccgaa aanccccttat atggcctgga gannttaag 540
aatagtcttt caatgaaagt nggaatgggn ggataaataa ccaannntatt ggttttngcc 600
aaaaaatttc taanaaggcc aatttaaaag gaaacctgga taaaantaat ngggaaaaat 660
aannaacaac cttncncntg gggcccanaa tgggaanaac aancaant 708

<210> 1956
<211> 707
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(707)
<223> n = A,T,C or G

<400> 1956
ccnncgtatc gccctgcana ttcttcttgg acatcattaa tggagattcc actgctgtgg 60
cattaancnn nnccaagact ttaaagccac agagatcata gagccttcca agcaggataa 120
gccactcata gaaaaattag cggagattta tgtcaactcc tccttctaca aagagacaaa 180
agctgaatta catcaacttt ccgggggtag agaagaagct cttcatacat gaatacatca 240

gcggatacta cagagtgtca tcttatttcc ttggaaaact gttatctgat ttattaccca 300
tgaggatgtt accaagtatt atatttacct gtatagtgta cttcatgtta ggattgaagc 360
caaaggcaga tgccttcttc gttatgatgt ttacccttat gatggtggct tattcagcca 420
gttccatggc actggccata gcagcaggtc agagtgtggt ttctgtagca acacttctca 480
tgaccatctg ttttgngttt atgatgattt tttcaggtct ggtggtcaat ctcacaacca 540
ttgcatcttg gctgcatggc ttcagtactt cagcattcca cgatatggat ttaccggctt 600
tgcagcataa tgaatttttg ggacaaaact tctgcccagg actcaatgca caggaaacaa 660
tccttgtaac tatgcacatg tactggcgaa naatatttgg taaacag 707

<210> 1957
<211> 697
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(697)
<223> n = A,T,C or G

<400> 1957
gagaaagttg tgcaactgaa aatcctttca aacaacagct acaaaagaga ttggtcagtt 60
aggacaggaa tagaaagtgg aaacttagaa gactggctac tccttgtgta tgattgctgg 120
ggtgagtctg tgctgagaac tttttacaaa gggtgtcctt tgctgatatg agaggggggt 180
gtcaaacttt tgagtgatca ctgtgggtcc tcagcttaga catcttctct ggcccaagat 240
ggcacccctt gctctctttc catgggacac agggaccttg ccatccttcc atcttataag 300
ccttctgtca tgatttttac ttcatcctag ataaccttaa tttgggccag gtctccaggt 360
tcctccactt tcttctgtcc catccatacc cctcaccaat cctctgtaaa ttccttttcc 420
aggattttac tggagaacca acagaagaaa acaggctggg gaataaacaa acatggggga 480
ggttattgta agttaaacat acacttttga nnatcccccc agnccatttt ncttgantaa 540
ttataagaaa taaaccnctn ggtaattnac nngggttaat aaagggtccc atggnagaaa 600
agccttttaa ttccttttct ntgggaaaan ccaaagaaaa anccaccctg ccccttccct 660
ttaagtcctt aaanggggggg ngaaaacttt tatgggg 697

<210> 1958
<211> 1101
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1101)
<223> n = A,T,C or G

<400> 1958
ttttggantt tggnnggctn cgtgnaaacn nttggaaaan ccccgnnctt tntggaangg 60
cacatnnngn aanaattgga gggnccggna nncctttttn attctccgtt tttacccccc 120
ctgngnccna aggtanttna angggaccct ntttcaagat cgagccttnn ctnntttncc 180
cngaannncc ccaangagna ntcangtngg caananggtt ntnccacaca cnnactggtc 240
nngcgngtna nnngcnnnnc ancananngn ccttagcccc tatccncngn nnccccctnct 300
tnntncacna ccgcnncact tnnganntcc cnntcnggcn gngcacacac agtgaaangg 360
anaactagtg annacagccc caggtgccct tacntangan nagantgaan attantcnnc 420
nntanncaan aannaannct ctggganngg ngctgaaacn tnanacncga nccggngtnt 480
nganatngcc cagaagaang gnntcccnna acnngcaacn acanaaannn aatggangnn 540
cntntcacnc tantaaatag gaaaatggcc tattngctnt tgggncccnc tgatcnagna 600
antggnaact naancccanc tctctggaac ggggaaaaaa aanctntctc gtaaaaggga 660
gantccccat ganacnatnt ntctgnnaag cnttntcgac aacntnaggn gtagattagt 720
acaagacngg gagatngnct ctntncatgn aacancntgg ggnaanccat gtncctntcc 780
tnggtgaacn anagngnggg ntagccncta nntcagnann ggtcgcncnn cncaancggg 840

ggctccnaat gncatgtggg tnncgcntaa nngtcgggnn ataatnncta cactatacnt 900
ngtganatan tcntcnctag ntncagcttc nnntacganc catnactcaa aanngccgct 960
ccccntncac nnctangant aaganggtat ncnaganatc natanntctg actgggatnc 1020
gnntntcatn gnatcttntn agtaggnagg nnnctatnat atcngntacn aatcccngat 1080
ntctnncann tatggaganc g 1101

<210> 1959
<211> 596
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(596)
<223> n = A,T,C or G

<400> 1959
acntattgga acncttgttc tttttgcagg atcccatccg attcgcatgt ggtgcacagg 60
tcggatggta aatttcagat ctttgcctat ntagggaaag ttcctgtggt tgtgagttac 120
agacctgcca ggggagtcct gcngncngtt accctgtnnt tggtggnctg ctnttccnnn 180
tntttgnnng ntgggggggcg tncccccttt gtgggggnat gatgtctntt nagatggctg 240
gctggctaca ccgtgcacat ttctgtctaa gtgccttaag agaggatcgc caatccacat 300
gcttttcagg gaaatctgtg tgatagagaa ctggtacagg ctttttgtga cgctcctctc 360
attatgacac gtggtaaatc ttgaaccatg agacagncat tctgaaggag tgtntancaa 420
cgaggngcaa acttgccaac gacacataat gtgctgttcc accccatgnc agcctgtcaa 480
gatgtgtnaa ncaacatncn tgngtgngat tctgaaaaag acttacctga ctttgactgc 540
aacttgctac cacggtctga ctgntnnacc tntnagnntt tgacatggag aggggn 596

<210> 1960
<211> 777
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(777)
<223> n = A,T,C or G

<400> 1960
nanncctntt acaaactatt gttctttttg caggatccca tncgattcga attcggcacg 60
aggtcacttt actctccatc cggaccgctt cctttctcgc cgcgaggctc ggggttgggg 120
ggggaccaga ttggagccgc gggctaactg ggatccgtcc catttccctg ggcttgacgt 180
tctctgaatt tttagctaat gtggaaagtt acatttattt gcatttgttt atcgcttgct 240
cacataggtc tgtgtcccga agcttggcag atgagcgaac ttagccagca caccccggc 300
cgtgaagcag ggaggtgaag cggggagagc aacgagcccc acccgggtct tgccagctgg 360
acgttcttgt ggggcagcgt tgagcagcgg ttaggagtgc cgtggacttt ggattcaaac 420
agccccagct cttctgcttg ctagctgggt gactttgggc aaattaacat ctcgaaaatc 480
tgtttcctca ttcctaaaat gcgggtctga aagtgatcat gcctgtaaag ccatctcata 540
tccatggttc tagaagcatg gtgagcacct caatttgaat aatcagtgcc atgctttagc 600
tacctcttga ctcactcgtt tgtggcagga aatgttccca aattaatcag aagaattcaa 660
tgactaagag gatgtaatag tatatagcgc aggcactgga atcaacntct gctgtgtgat 720
cttggacaag ctgcttctgt tccgtttctc ttatctgggg caatacctgt ctgaann 777

<210> 1961
<211> 1016
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1016)
<223> n = A,T,C or G

<400> 1961
ggnnnnnnnt tttttnnnnn nnnncgcnnt ttaananntg gggnaaaaaa aanccccctt 60
ttttggccca agaaacttnn ccnctgggtt ttctttttt ttgggcccan ggggnaaacc 120
ccccnatccg gggantttcc ggaaaatttn cggggccnac cggaaggnaa acccatggga 180
accttcccac tgggttaagn ccctttgggn acttttttctt tgggggggcc tnccaggggc 240
gggaatnccc ttcccccaac cctttcaagg cncttccctg ggccnttagg nntnggggggg 300
ggnttncnng gggncttggg tgggcccacc caacaaccct ggggcntaaa ttttttgggn 360
ttttttttt ttttngggng gggagganan ngggttttgc nngngttggn ccnngnttgg 420
nnttnnnnnt nntggggttg gggggggnnnn aattaacccg caggctctca aagtgctggg 480
attacanggc atgagcccct gcacttggcc gacattcaat ttttatgaat aaaaactaca 540
ttggaaacta aggnggtatg gtttaaaatg tgtcagcatt tgnagaacga tttacccttt 600
caaaagggga gagcagggat aatttttactt tttttgnttt aaacaatcta atactggtag 660
taacttttaa aaaaatattc ttaatagatt ggctactatt gcaggggtat tatttgtatg 720
nctggctata ttcattcagt taatcangga gctgaaatta tgggaggtac tatgtggagg 780
gagcagggca tttttctgac naaatgcttt atgggtggaa tacatttatg aaagtaagtt 840
aatggttctt ctgnccaaaa tanggnagaa gttcaaaccc atattttgga gtctcgcatc 900
aagaaataag gggatggagn ggccactggg gaatataatg cagaaatggg cttaaggaaa 960
aaagaagaag ggggaatgaa atggtaagtt tggcctngag gcttatacac tatggg 1016

<210> 1962
<211> 1259
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1259)
<223> n = A,T,C or G

<400> 1962
anggggngnn nnnnncnnnn nttttttttt tggnaaaaaa aaaanccccc cnttttttt 60
ggggaaaaaa aaanaaaaaa ccccncccgn nccccttgnng ggtttttttn tttgtttnat 120
nnggggggaaa aaggcgnccc anaatccccn gcaaatttnc ccccacanat ttcttccggg 180
gggtttaanc cnnngngnng gggggggggga aanaaacttt ngggtgttgn ggnctttttc 240
aanaaaaaaa ccnccggggn gttnttttttt gttgngtnnc ccccccccttn caaaaggggg 300
aacgcncnaa aanctgnngg ngnggggaaa aaancncgat ngngngcgcc ccccggnttg 360
nttttccccc aatananggg ggcncannaa aaaccncaan gcnnnggggn aaaccntcna 420
cncaattggc cgngnnaatt ggtnctgggg nngttntntg ggggcgnana acnagngnnt 480
tantttttttt nnnccaaaaa aaatttcccc aanngccaac ctncnctttg ggaacnnntn 540
antnttnann caacttcttt gggtggaaan ctttnnanaa nnggttccgg ggagggacat 600
ttggggnaaa tggaatntta ccagccttgn aacancattt tctnnntntg ggccantctt 660
tcnntnnncc aaaaccnccc aatnctnnnc gantttttnaa aaccntgntg ggcaaatcnn 720
cagtngaaaa ggaaccntag gttcgganta ttaccacctt caangttttn aaaatnccca 780
aaatnaaccc catttccttg ggggttaaat taaatcccaa gggnccagga atnttttttac 840
tttttngcca accggnaant cnanntantt tcnagccagg ncttctttta acttatttaa 900
cccttcccaa ggncnanggg angcctggnn ggtggttnct gggactttnt ttttnaacna 960
aagggccttg tngcccccccc tggatngntt nttattnccg ggaanccang ggttaattaa 1020
aaancngaaa ttggattaaa aaatggntng gtctcctttt gggcttggna aattgcccna 1080
ncaccncaan gggnggggcc antttttntt ggntcaantt tcccttcaag agaaaaattt 1140
ggacctncca aaaacnagnc gtttnaaatt tttttgcnaa ngaaacnaaa aannnccatt 1200
gaangccttt gggnctccta cnnacnnact accannntgg ggaaggttac ccttttngg 1259

<210> 1963

<211> 1088
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1088)
<223> n = A,T,C or G

<400> 1963
gngcacgaaa angganacga ggggcgngng nnnagaagga gggngggaan gcngcnnngn 60
ggaggggagg aggnnggggn gncngangnn gcnannnnnn ngagntggaa ccgtaagcna 120
acncgngcnn ntgnaggagg ncnccnaacg cgccccnngn cggnanggag gggccaagcn 180
naaanacnta ggaaggtttn tttngtncnc anaaangaan ggcngnngna aagggggggg 240
gtgtatngcc ccaaancnta agggagaagg ccttnaggaa aggggagaga ngnngncaat 300
gancaagaaa ggnnccgcnc cnanaagccc gagggannan aggggggaa aaaaagantn 360
nnggacaggg nangacaggg ggnaaanaan naaaggngag gaaaannncc nancntggnn 420
ggcnttcnaa gannggtggn nacccgtang nctggaaggg gcctncanac ttggnnggnc 480
ntcccaactg gnaangcnan ggnaanncca ccngtnccna naaanaaccn gganggncgg 540
gtggcccnaa nnnnnncnng ncagnggaga gccacaannc taannggggа acnaagggaa 600
nanntcggca ctgtctgtgg nngggganggn ggaaantncc nntgggacag ngggagggnc 660
cccncaattc nnaanagggc nggggnccan aaaaaaaaag gtnnggcntn ggagancaac 720
aaantgggcc atcaccancc cngggaaaga ccccanccna gncnnggggа aaggcacnaa 780
agnaagggan ggaatgccct anggagggcc cangnangta cccaaaaact naggccnggg 840
ggcnaataat ngagggggag aacccccccа nannncttcc aagtnnaagn aaaaaaagaa 900
nnggcnntcn aantcccaan gangggggcga ccagagaaaa tttggcccna gancttcacc 960
ggagaaacan cgggggaaaa ncggggntgc gggnanaaag aagttaaaaa acnaacaggg 1020
gnnnggggcn cgggggggga nnacaccata nantgccggg ncnanaaggg gagggcaagg 1080
gcnagggg 1088

<210> 1964
<211> 762
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(762)
<223> n = A,T,C or G

<400> 1964
attctatcct ttaactcttg tctttttgca ggatccctcg attcnattng ggcnngggat 60
gcccgggcct tttgggggggc cttttngncc ttttngttan annnnncccg gggggggggg 120
nantgnaggg ttcctngggg ggccctntnt cctttctaan ttntnntgaa nnccttgnaa 180
angccaaaan tcacagggtt anaaangact tggnntgntt tgcggcccag tccacccaac 240
ntgccntttt ttttganaaa cagttgaagc ctttaacaaa ctcttgcttg aaggcagaaa 300
gtccacntgt nttcccccaa ccatggnnnn cncccattgt tgatgccnnt tgtgacgtta 360
ttggagcgcc agcttgtgat ttttgaagga accgacatgt tgggaaaaaa ccnaccagaa 420
gctgtgaaaa ttcatgctga acctttttggc aacagcgccg attcatggcc gaggcttgca 480
gacacttacc ggattgaatg ctgagaggat cctggcaggt tttcaaccca natgaagaaa 540
tgaattgaaa atctgcaaga attgaattca aaatgcgatt gctattgggg cagcaaangg 600
tgccccaagt tcaattcaga cnagangaga tnttgagaaa attcaacccg gatttttaac 660
tggccctttt cccgtnaaat tgggaacctt ncttcttgtt aaagcaaggc cagaagcttt 720
nantaacttt tccaaaanna aaccntttna naaatntntt tt 762

<210> 1965
<211> 714
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(714)
<223> n = A,T,C or G

<400> 1965
ncnntcnant cggcgcggtg agtggtgaga ctgccttggg cgggttaccg ggcatgactc 60
ttcnnnnncc ccnnagaccc ccccttcccc ccgaactcct ccagcccgca gagttctatc 120
tccaggtgga ccgcttcagc ctgctgccca cggagcagcc ccggctacgg gtgcctggtt 180
ggtaagtgat gcctccgccc aggagccctg ctctgtctgg gtgagcatag cccctctgca 240
gctggagggt agaacaagga agcctgaggt agagctggga gggagcatgg gtagccttgg 300
atggggttgg ggtccttgtt agctcttccc cagacaccat acccctttca ggaaccccca 360
aagaggcatc gtgatggttc tgccttccag tatgagtatg agccaccctg cacgtccctc 420
tgtgctcggg tccaagctgc caggcttcct ccccagctca tggcctgggc cttgcacttt 480
ctgatggatg cacagccagg gtctgagcca actccgatgt gagacgtcac gcaggacaga 540
taccgctcca cactctgctt tctttgagtt tttttaataa aaataatctc atgcggccna 600
nnaaaaaatn naaannnntt tnatnnnaaa nnnaaanccc tttnaaannt nagggggggng 660
ntttttttccg tcacccccccn natntaaaaa annctttttgg ggggtgtggg nnnn 714

<210> 1966
<211> 691
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(691)
<223> n = A,T,C or G

<400> 1966
gaggctccag acagctcttc tgtctttcac caggtccaaa caccagcann nnnctcccat 60
gaaatatccc ctttattcca tctcaaatcc ttacctatca actccttgcc cagagaacct 120
ggaataacat atttacttct agtccttttc aatgcatttt ccccttggga gaggtgaggg 180
ggtggtgtgt gtgtgtacat gaaagaaaat cagacagatt gaccatcttt gacggtaact 240
caaagggata aatagatata gttaaccgat aaaaaaacaa caggtgaaac catgatattt 300
catgtcttga ccagattata agcactctta ggataaaagc aaggtgataa cccactttgt 360
tcatggtgta ttgaagtatc tttcttagtg gacactccca tttcaccccc tctcatcacc 420
tgttctgaaa tacatgctgg gaagttgaca aacaagattc tggtaatttg gagaagacag 480
cggttcaaat aaaggagaaa atttctctgt anttctggga aaactgaaaa tattcagtag 540
ataagccaaa tgttcaattt catgttgctc ttatagttat aggtattcta agaaacccat 600
attaatccat cagaaaattc aacatcaagt ttatcaacct gtttaattaa tcaaccttat 660
cattcaatgg nacatcacct gagatagtaa a 691

<210> 1967
<211> 972
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(972)
<223> n = A,T,C or G

<400> 1967
tnnacgnnan tnntnatnnc annnanntnt nnnnatnnnn nnnnnnntan nnntgtnann 60
nntantntan ntnnatctnn ntnatcnntn nattnnannc ntnntctcac tatancannn 120

ggnggntnat ntanntatat anaaacnnnt attggggaan ttntctcttt atnantcccn 180
nctcnaaant cnnangaccn nanntannan tntgtntaac aactacatag gnancnnact 240
nacgngnnnc aatccntnna natcangncn gncncaccac tgncncttgt acaacctttg 300
cagtnntncc cggtatgtgg tatgtggtct ccgccnatga ttgggcnnct ggtcaggctg 360
gnatatncaa atancaccca ttggnnatnt gctngacccc tggaggggna anccaggaaa 420
ngaaactcac ggncnnttgt gatcatatgt tcntncnant tgggaagact aatcttggat 480
atgnccaaat atntccnang attcntctgt cnaaattatn cctngggatc tgacccattt 540
cctgnaaaag gggcgagcct gggttttgaa gttcaaacta gagtttnaat ncacatnatt 600
tnncnctaat nccactgtaa cnnctgngna ccttcatnct ctgaagcntt nanntncttn 660
gttgtgnaaa gcctgctaac tactcgatna ntantggnac atanaangcc ncnngganga 720
gnttttnct ntgagtcagc tttggnttnn tgaacanctt tcanttnngc nattcncctn 780
aaacgtttat ggcgctnann antttcatna aanttatatg ggccaanncn cnagtggnnt 840
nacaaccttg taatncncna atcanttatn gtgaaggncc naaaacngnc ttgantcaaa 900
cttgngggnt ngnaaacttt gnaaaaantn nntntaacct aactnntgag taaacccttt 960
tnntnttnat nn 972

<210> 1968
<211> 685
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(685)
<223> n = A,T,C or G

<400> 1968
gtggctcgcg cctgtaatcc cagcactttg gtaggctgag gccaggagtt tgagaccagc 60
ctgggcaaca tggtgaaacc ctgtccttac aaaaaagtta aaaattagcc gggatgtgat 120
accttgtgcc tgtggtccca gctacgtggg aagctgcggt ggaaggattg cttgagcctg 180
ggagatcgaa gcttcagtga accgtaattg caccactccc ttccaggctg gaggacagag 240
caagaccccg tctctgaaaa taaaaaaggg cctgctttag gtggctcaca cttctaatct 300
caacactttg ggaggctaag caagaaaact gcttgaacgc angagttcac gatcagcctg 360
ggcaacatag tgagacccca tctccacaaa aattaaaaaa tcagnctggc atggtggccc 420
acgcctgtat gaggtgaggt gggaggattg actgaanccc agggangntt gaggctatat 480
gtgaaccntg ttcacaccan ttgcactttc canccttggg caaacaganc cgaagaacct 540
gtcttgaaaa caaaaaaaan aaagcanttc ccgntgggaa nggaaattng cnttcannaa 600
aagnaaaaga ccgtcgggga agaatccana tgggtttggt aaaagaaaaa aatgtggncn 660
nncanngtta cnnnnaaacc tangg 685

<210> 1969
<211> 1376
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1376)
<223> n = A,T,C or G

<400> 1969
acnacnaccn aaatcntcta anaacttacn aanatcnttn aaatctntac anaannnant 60
ttatntaant tctanatcat taacactana ttacnaaatt tcnaaaacnc tctctctata 120
nanaatnatt ttaannnttn tanttccaan ngggggtatt cnaccatcta aatntctaan 180
tnantatcat attcgggggg ncaaanaaat aattatcttn actaanacac acctatantt 240
atanaaatct ntnacannnc natnacncnt anacnntcat aacnnattct atatacatat 300
acantancta atntaatacn tacattaatn atnnttncnc nttacnttca aannntattta 360
nnactttaaa tanncatcat cantactcac ncnttctact cattctanac natctanncc 420

nnctttaaat natttattnn ncttaccatt ntatataant ntnttnannn natntattaa 480
tanctattta tntnnacaaa aanaatctct atttanannt taaatnattn gntattanac 540
ttnantcnna aancncnttt tttntattta anctaacncn anncncttcn tatncattna 600
taatatnnat cnanctctnt ncacaatata aatatncttt tacannntat tnatatntan 660
nttatnantt taatcnnnnn tctntcnttn tacnantcac nananactnc attcttaact 720
ntancactat tatntattat caatntanan tnctcanana tacaatnatn nttattnaca 780
tanctaanta aatnataaca aantcatata tnttatatct ncatcttaaa ancccctant 840
actctatata atncttgtct ncatntatac tttantctca tcnctcataa tgcaanatct 900
ctatattatn tntatatata cntctaccct actatangct tacnatattc ntantatnta 960
tttntatant acttaantct angtacatat ctctatatac nncctatnna tatatactct 1020
catcaattac tcatcttact ntatatcnca tntntataaa aaactcacat attacncnct 1080
tccnctatat atananatat atcctcgtct atcatanata tctattanct acctttacct 1140
tncatatnan cctctcatct ctcncnctnt aacntanatc atcngccata nttttatant 1200
nnaaaaacta aatacactat tcaaatttat nattnanact acttatatac tattacctac 1260
tntnaacact ttnnacacct ctacatntat ntaaattcaa tataccctat acnantatat 1320
acttatcncn tcaacttatn tttntctact attnntcact tncaaacant ttttnc 1376

<210> 1970
<211> 618
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(618)
<223> n = A,T,C or G

<400> 1970
agnnnnnnaa tatttgaaaa gagtaattgg tttggaagga gacaaaatcc tcaccactag 60
tccatcagat ttctttaaaa gccatagtta tactatagtg ataaaaacct gtgctacaca 120
tccatttctc agcaacggct cctaggataa tcaatcatgg catactgcta atgccttgat 180
tgcagctgat atggaggaaa tatgtttact cttttgctaa agtgaagttc actgcggagg 240
tgccaatggg tcatgtttgg ttagaaggtg acaatctaca gaattctaca gattccaggt 300
gctatggacc tattccatat ggactaataa gaggacgaat cttctttaag atttggcctc 360
tgagtgattt tggattttta cgtgccagcc ctaatggcca cagattttct gatgattagt 420
aagcatttat tcttttgact tgattattgn ctccttttca tgtgaattta ttactcccgt 480
tgaaaccgtg tacttaccaa taaactattt gctnttccna anaaannann nnnnnnnnnn 540
nnnnnnnaan nnaaaaannn nnnnnnnnnn nnnnnnnggn nnnnncccccc ccccccccct 600
taaaaaangg ggggngtn 618

<210> 1971
<211> 796
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(796)
<223> n = A,T,C or G

<400> 1971
ntgttcgaat tctgnacnaa gaattcaagn cagcacgtat gtagcagatg atganntcta 60
anctggatga tacntaatga ngtcagattt gnaatctaac ttngnggctg tgnntagggt 120
gcaaggagna cttccangac ctatactcna ggcgccctgg gtnnantaan gnaaacnnnc 180
tncntaaggn tggcccccac gtggggaggt ggagttncng aattattctg tgcgctaccg 240
gccgggccta gacctgtgct gagagactga gtctgcatgt gcaccggtgg caanaanggg 300
gnngatcgtg gccncacntg gngctgcaag tcttccatga ccctttgct tgttccgcat 360
cctggaggcg gcaaaagggt gaaatccgca ttgatggcct caatgtggca gacattcggg 420

cctccattga cctgcgctcc tcanctgacc attcatcccg caggaccccc atccntgttt 480
ctcgggggga ccccttgccg ccattgaaac cttggaaccc cttttggcag cnttcttcag 540
aagggaagga acantttttgg gtgggggctt tttgggancn ttnntccccc accctngcca 600
ccaaccgttt ttgttgaang ccttccccaa accccgggca aaggcccctg gggatncttt 660
tcccaaaatg gccttcaaaa aaangggccc gggggggaag naaatncttt caaaccgttn 720
gggggnccca aaaaaggcca ancnttccgt gggtggccct tgggcccccn anaccccttt 780
gttttcccca aaanaa 796

<210> 1972
<211> 681
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(681)
<223> n = A,T,C or G

<400> 1972
ttatcgaata agacacgagg gaggatgttg ncannnncta ntcgggaggc tgacgcagga 60
gaatcgcttg aacctgggag gcagaggttg cagtgagctg agaccatgcc actgtactcc 120
agcctgggca atagagcgag attctgtctc ccaaaaaaac aaaaaacaac aacaaaactt 180
gctaccaccc agggattttc tgctatttaa aaggtgaatt tcttttctgg tactaaactg 240
tagctgctta acttagtaaa ggctgtgttt ggccaggcct gtgccagagg ctcacctgga 300
gtgctccacc cactggcagg caagtcctat tcctattcac ccaggatccc caaggctggg 360
ctgggatata aatgttggga taggaaagaa atatttcctt tttagaggaa agcaagaaga 420
aacattgcct gaaaggtgat tttctagtca tttccaatta gtacagaaat gttactgcct 480
ctgggtgcag tggttcacgc ctgtaatccc agcactgtgg gcggatcact tgagcccagg 540
agttttgaga accaacctgg gccaagatgg cgagacccca tctttcaaaa aaaatttaaa 600
aattacctgg ggcattgggg gcacacacct ttattctcaa cttcttcagg tggctgaggt 660
gggaaggatn cctttgaccc t 681

<210> 1973
<211> 666
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(666)
<223> n = A,T,C or G

<400> 1973
tttcattcgc acgaggcaga ctccggttaa aagcgcttaa tgcaacattc agagtgaaaa 60
acccagacaa gagatttact gaccttaagc actatagtga tgaactgcag tctgtcatct 120
cacatcttct tcgagtcaga gctagagtag cagatcgact ctatggtgta tataaagtac 180
atgggaatta tggtcgagtt ttcagtgaat ggagtgccat agaaaaagaa atgggtgatg 240
gactgcagag tgctggtcat catatggatg tgtatgcatc ttctattgat gatattttgg 300
aagatgaaga acattatgca gatcagttaa aagagtatct tttttatgca gaagcattgc 360
gggctgtgtg caggaaacat gaacttatgc agtatgactt ggagatggct gctcaggact 420
tagcatccaa gaacagcagt gtgaggaact ggtaactggg actgtgagaa cattctcttt 480
gaagggaatg actaccaagc tctttggtca agaaactcca gagcagagag aaccagaata 540
aaggtgctag aagaacaaat aaatgaagga gaacaacagc taaagtctaa aaatctggan 600
gcagagaatt tgtgaaaaac gcatgggctg atattgaacg cttcaaagaa caaaagaacc 660
cgagac 666

<210> 1974
<211> 671

09/534,705 - 03/23/2000

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(671)
<223> n = A,T,C or G

<400> 1974
tttcgatncg cacgaggttc tcccttatct gatgctcact gtggccttgg gcagcctggc 60
atcgagaatt ctcagcatgt tcactcttga gttctgtgcc tgcatcacac agcaatggaa 120
cagtcccaaa agattcttaa gggtggggaa aggcactaag aaaagatgaa cctgcagtcc 180
ctgttatacc atctggtcta attgatacta ctgttgtcaa gcaaaaggag ctctctccct 240
gaggcactgg aagccaatat tttgacacca ggtttttgag aaagaaaagt tttttattgt 300
aagttgactc acaagatgag tcaagctcaa atctgtctcc ctgtgctggt tttaaggcag 360
taatttaatt ataaaacgtt taggaggtgg attctggggt tctcaggtga taggtagaag 420
gaaaggagag gtctggaaag tcttcaggca tgcacagttc tcttcatgtc tcctcatgca 480
tcatgcgcac atttagtggg agtttgaaac atggtgagga aattcangct gtgacatcag 540
catgcttggt ctgtgcaaac tccatttggc catattggtt tcaaccaatt ttggccagtt 600
ttgtagangg agttttgagc atttcaagaa agttatttct tatctgctgg tctgnaaatc 660
ataatctttg n 671

<210> 1975
<211> 668
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(668)
<223> n = A,T,C or G

<400> 1975
ntncgaatcg nacgaggtat taaataagat gtctttaaac agaaacacac atatatgtat 60
tgattgatta atgaggctct caggaacctg actctgtgtt tcccctagga gcagtgtttc 120
agtattcact aatcgagtgt tcatggtgac tttatagaac cactgcaaat agtgagaatt 180
aactatacat atatgtttct gtgtgtacgc acatgtgtgt gtatgcatac ttgtctctaa 240
acatatggga ttatactctg ctgctgtttt gctctttatg tcattatgta tactatataa 300
gtatattttt acattataat atgtgctata tattaataaa ttttttaaa tgtattaata 360
tctgctctta ctgagagagt tttcagcctg ctgaatagtc agttttacag tactagctaa 420
accttctttt ctttttttt tgagatggag tctcactctg tnttccaggc tggagtgcag 480
tggtgtgatc ttggctcact gcagcctccg cctcccgagt tcaaacaatt ctcctgcctc 540
agcctcccta cagctgggat nacaggcgcg tgccaccacg cccagctaat ttttgnactt 600
ttagtaaaan atggngtttc accatgttgg ccaggctgnt cttgaactcc tgaccttggn 660
ganccanc 668

<210> 1976
<211> 834
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(834)
<223> n = A,T,C or G

<400> 1976
ccctnnncgt nnntnnctta tcgctaaant ggtngntctn ttnacccnat tgnnaatnag 60

ncntttcntt tcncnntncn ccntctncnn natatnnatg nctgtcgtgt cttnataant 120
atnttataat acnnaanntt gtntcgttgn ctcttgacca tgacttccct gcncgttcag 180
ctntntnctn tgntgaaatg ggaanagacg ctcncnacaa gtcaataana gangctatgg 240
tgaaatgtaa aaattcacaa ttctactttg tttcactgag ngcccaatca acgattcata 300
cagttgagat gaatgtgaca aaactcttta tagataaata tatatgccta agtttatcta 360
tatatatatg tctttgtgtg tatatacata cacagatata tgcaaagaca taaataatct 420
tccttacaaa acatcaatag atcattttca cagggaataa gagagtacac acatagcctc 480
ctatgttggc tctgagacat ctaaaaagca agacagagag cattaatctt ccattcaaaa 540
atatatccct atagaaaact ttttgcagta tattgtctct tggttcaata tatagcctag 600
tcaaaactta tttatattgg ctattaaaat ggcaaaggtt ttttgttttt ttttcccttc 660
cctacaaatc gagttgacat tttatcagca tatcaaaagc ctgtttaagg ttaatatttn 720
gnctaaagca nttaaattaa aaaaagcagc ccaaacccat ggagacttaa agatttncaa 780
tgtntttanc ctcttggatt nagcacatnc natagaggga cttgttgggc tttg 834

<210> 1977
<211> 1366
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1366)
<223> n = A,T,C or G

<400> 1977
atttactgat tttcggaaaa attttcccgg tttngggctt tggtnacnga acntttggnt 60
ctntgggccc aaanattaag ccccccccaat tnctttttgc ggcgcnactt tgcttggcna 120
ccttntgnna agagnncncg gaaancgaat nttcacatca agagntatat tatnnntnaa 180
anntntaatc tatnngttat annntatgat ataaatgggg gggggggtgat atttttnnaa 240
gatgnagtgn tcatannata ctgctctatg agtttnntaa tatatatcga tannaanata 300
tntgatgnta tataaangcn atnntnnact anaaanatac nanacnntng tnanantatt 360
tgtantagcg aanttnatga nttagttnac ngncgnattt ntncatatnt cgnctnatat 420
naannacata natntcatnt naacattcgt tactatgatn gtatatatnn ttgtaagact 480
natntanntg anannntncc nanttctnta gtttgtgata nattnantnt anngatctan 540
ntcgtttntn tatacatagn nanacnancg tgaangacna nnntannnta cgantacnnt 600
aattatatna ntatcngatn tatcnttgac ntnnnnatat acncnatcga acanagtatn 660
nagtatatat ctcaannntt annattntan gacagtgtaa ccgctntnac aactntaacn 720
ctngtacatn atntntttaa atcttngntg gtntntnana actntctnat annntacgca 780
ncatactgag tntatgtgta atntantnta cttnctngta natgataana tagtatnacc 840
annnanaatc ttncanatta atctctcnat gtngatanac gcntatactc ggnntgcgcg 900
tatnnataac nactacttat aacgcnnaca ttatatattc gaanntcncn nananataan 960
tancannctc gtntcnctnt naantanatt ngnnatnnnc aatacanann nggagncnna 1020
nnaattatga cnaannntnn nncnagtngt aatagtcnat actncttnta atnntacncn 1080
aacnncgatt attnaacnta nngttanttn atacannnaa aaaannttcc ntaanctana 1140
anagnnnaaa anctgnnncn gaatatnnan nnatnannna nnaannntnt gntaanaant 1200
nnatataant tnactnatan nnnannaana tnganatnaa atgacnnctg annnaattga 1260
tagtcatata tctanannnt gtantgaatn aantgtaata cnngnatgat nnggcnanaa 1320
ctnnantann annnnanagc ngagananat ncngnataan tnccng 1366

<210> 1978
<211> 1369
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1369)
<223> n = A,T,C or G

<400> 1978
ncgagganat attncggccc gnggtccgag gcccgatggt gggggnnttg ggnggtcctt 60
nttggnttgg gngaattggn cccggnggac accctccnca tccncccaat taaccggant 120
nccccccaaat cttaccaatt gggnggaaaa gacccccccc aannggantt cnactnaaaa 180
aaatatcgct antgctcagn caaatccact gnnnananag atnaagcgng nataanatca 240
cctcatttct gngggggggg nncnctatnt agtgtgaaaa cacatnnctt cncatcagta 300
cccactcanc antanancan tgtngacaan caagacgtcg aantnatann gtnaaaanaa 360
atcnaaanaa aantaaaaac cnaanctcac cnnnanantg gtaanaatct atnatatacc 420
atnctcntnn tattatatna tntannnatc tannaanatc nacccntana ntannctgan 480
ntatnaaaat nnnaatatnc aattanangg naaangcatt anattnaata tcncannata 540
nanaatnata acnnngctaa aaatctatcn gacannatgt ctanaatctn attannctta 600
aaactagntc ncatnntaca tnntctcant ntgtactata nganatnata gtnannatna 660
canccttnat acancaaata nantatctaa ntaantanac caataataan nantntncan 720
natgcncaaa tatacgnnca gagnacatct tanantnctt atccattntt canatcanac 780
ananaccnta tcnactatcn ncannctcta naccacacat antacgtcta taaacacnat 840
nncacantnt attcaanatc nctgtnnnan atttatnnac anacntnttt tcatatacnc 900
taatngaata nancanaaat ntaatgtaat ntatatnaac aaacagancn cgtanagatc 960
ncactacttt cagtgnttta aagcttnnat atannatcag ataaatacgc tcatcactat 1020
aatatnnaaa naaaatatca cncacgtnta tancaataaa cttnnnnatt caaaatatcg 1080
nacgcnnntc ttctctatta tatnnaaanc atancatnta ntananacta tatntancaa 1140
tantcatana ntntnatann gatanatata gcaatacatg tnaacnagca natcgngnaa 1200
tatnncaaca ntncaatata taatatattn caatcnatna gtnaacnant attnaacgca 1260
annaanatag aantaancna ntaacgatnc aanaanngtg tattnataaa aattnctata 1320
tataaacnta gnnnccctan natgcctnct nntacactac catcnnacg 1369

<210> 1979
<211> 1382
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1382)
<223> n = A,T,C or G

<400> 1979
nttnnttcgc tcccctaaat cccattcccc acccttgttt aaggnaaatc nnctcatttt 60
tcatnctttt tccccaggtn ctttnagatg tgccacaaat cacnccacnt ntggntctnt 120
acttaatcgn gaaaaactat cttcctgtca aacgtntatn cccggggngg ggcggnnatn 180
ttttccacna catnacatnt actatgnana tcanccgctc anannnccac gtntcaanat 240
gcnctgtaac tnngctctnn cgcnctancn ncacncctnn ncacnatcgn cacatcgcca 300
ctcgaanctc tagncncncc ctnncncntc gcnanntnnc gtccncgntc nnnnancgnn 360
nncctcncna ttcgngcgan antcttnccc ccnctttnct ccgtatnacn gccncgtcgc 420
annagnancc gtnccncgnt gacctnannn tctccangca gntccncnnc nntntggcnn 480
tgtcccnnnn cganccngnn tcgnnatcnt anntcattnc nncccntagc tnnncncgcc 540
ttcgtgnnnn nnncgctnnc nntcnattnn cnatnacncc ntncnncntc nttatncntn 600
tncatgcctc acncgctncn nctcncncnt cntcgtnatc acncgtncac tcnngannct 660
caccgcnact cggngctnan accagcgnnn ncgttncnna tacgcatnct cctccntnac 720
natcatccnc ncncccttcg cgctngcacg tnccgncatc ttncacngnn ctcanntcat 780
gcgtctnnan anactcnccg cnnnntcccg cctctcntnc ntcatctctc annaatgcgc 840
nntgcatctc ncncnnctcc tctgatcgcc acagtctnan nnntcngant ntcgtncntn 900
tatncnattg cgtcgcatac nnnncanagt cgcncacact ncgcacnact ncnctctnct 960
ntccacgncn gctncanatn cncncnntnn anctgctnnn ntcttatcnt acnncncgca 1020
ctccatcnca cncgttcgtc acgtctncaa tctannctc cnccncntcc nacncacacc 1080
ncgtctcngn ntcncntcac ncngcactcn cacnncgncn nnatcacgcn cnatcgccat 1140
ntccgtanac anccncntcn cangnttncg tctctncntc ctncgccngg ntaccnctat 1200
ncnncatacn ntnaactnct ntnccaccan ncanncccnc gntctcctng cnnatcanct 1260
nctntgtgcn ccgnnncncn tcccncnctn ntcattncan ncnctacctg ccgnanttcg 1320

gcaaatnttt cnnntncacc aaantgctcg catcgacnnc gcancccacn cngcnntatc 1380
cg 1382

<210> 1980
<211> 1431
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1431)
<223> n = A,T,C or G

<400> 1980
nnntnccnan gcacanaaac tnnactcaaa cantancntc tactcataat antntacngn 60
ntantaanac nccctcatna nannatttan antnttcant cnatatntgc aantcatatc 120
ttataanata cncaaaagtt tnaancangg ggagaanagc tcanaagccc ccttcantna 180
tnataatatg cnnatanctt tnaccaanta tatatnnctc tanancaact cnntnttcnn 240
ataagggggg nnttntaaaa ctcncttgnt cgcannccca tgacctnntt atcnnttngn 300
cnacnancct ataanactct aaaactcanc ntnncnatan nnnttntata natncatnnn 360
atatanntat ctanctncga tatctngncn tncagntnat ctaaanatat ctcncacanc 420
nnctaccnag tannatannt annnntacat aacgnntntc tatctacctt cntatnganc 480
ncanatatat cctaantatg ctantatcac nantannata canacancga aatcgntact 540
cctctcactn actacanata tatacngctc atcatcntan cctttatacn ataanaacnt 600
ntatancana cgnanancac acacacntaa cacacanctn nttntacnna tcncnccnaa 660
tatnntgtnc ncttgtcact acncgtanan tcatntanac tcnntacngn tcacgncnta 720
ananacatat cnnnnncncn cactcnacan atanntattn tncgaatnca ctctcnacac 780
aacacacatc acngctcata tattnacant atcactncat atattacact anaacactat 840
tcacatctcn aatncncnna aatancngac ntcatntnnn cnaactacnc tacactntan 900
tntattnttc nagtactaca cacaacnnag nncaccactn atacacatcn cncngttcat 960
gaaatatanc gatanatatc anagataaca tnactnannt ccnntatatc tgnnnantca 1020
aatnattaat ntccaaacgn cnctntntaa nttntnacan gactnctctn tattntatat 1080
tantatncat ccccnactct antaactaca ntctacgacn actannattc cntnntnnct 1140
atnnattnct atcncnnnct canaanatat nagnctatna tatcncnnct nacattactt 1200
tctacttcan ntatccatct aanactacta tatactannt tctttacttc nncnnncatn 1260
cntncnactt anaacnnctt cataatactg tatcattanc cacagnnaan tnatctcnat 1320
gattncntcn atctntatat ttannagtnt annnnattta nnctnnncan ctgcancgac 1380
ctaattatnn ttcanactta attnctagan ataactctgt acatcnantc g 1431

<210> 1981
<211> 692
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(692)
<223> n = A,T,C or G

<400> 1981
tttcaattcg gacgagccna natggtgaca ctgcactcca gcctggctga tagagcgaga 60
ctccatctat aaaaagtaaa aaagaaagtc ttcagtgaaa ggagattcgc cctatcagct 120
atgaaagcac agaggggagg aacatggagt aggggctgcc tgcagtcaga tcctgccctc 180
acaaccttgc cagggaaaca ggctcgtggg tacaaaggtt gtgtgcctca acttcctcat 240
ggaagcacgt gagattattt tataaccata gagtggagac agtcagtatg accaccaaac 300
ccaggagcca tatattaaaa tactgataaa tttaactata taaaaaaatt tttacaggtg 360
tgcaccacta tgcccggcta atttttgtat ttttggaaga aacgtggttt tactatattg 420
gccaggctgg tctcgaactc ccgacctcaa gtgatccgcc caccttggcc tcccaaagtg 480

ctggcattgc aggctgagcc acggtgccca gcctgaacac cctttcctgg taaaacactc 540
caaaaccagg aaaagaagga atgtacagca acaaaataaa nggccagtca tgcaanggnc 600
ccatggnttg aaaagtcttt caagtcattt taaggtggaa aaganttgaa aatcttttgn 660
cttccaagaa tcaaggaaat aangaaaaan gg 692

<210> 1982
<211> 1397
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1397)
<223> n = A,T,C or G

<400> 1982
agagcttttt tcggaaaatc tnccgggnng gncgggaagg ggactannaa gggccntccg 60
gtannttaag ggaaccgncn caggtttttc cctttgggaa tngggggnaa gnccctnggt 120
taaaaaaggn ccccacnccc caaccnaaaa acaccaannt ttctttaaac cccnccaatn 180
tntntacctt tgtttatctn ggganananacc ttnncangng gggnggggac tttgttttnt 240
ctttatagtn acgngnnant cccancatnn cncaatnttt tttntttann ctctcatnan 300
cgtcangnat nnncananta tatctgtgnc ntaagnnnca tatnncgcnn tnangnagta 360
tnntanaggc tgnncncata gttgttnctn gnntcgntta agtcttntna tcgtctcaga 420
ccantagntn tntcatattn nngtntannn ntgacnntnc ttnaanatnc agnctcnttn 480
tttgngtann ctttcngnan tttgtantna tctatntggn gatcnncgaa ataacttgta 540
tntatagcat atcgtaaaac tttattnaan ctnttnntta antannanct ntnnanttaa 600
anctgtntac nnnttaatng tnnttnnaca ngaannnnca ttanttgnna tcgcttgtnn 660
tnanccnatg tntnnncntt antttntttc tacctttnct natttcnact ctntnnactn 720
ttgntgtttc atatacnanc natgtgcnan atctantgat ctntncgcan tattntntan 780
tagnntaang nnncttgtan ttaatncatc tntcactntt atnnntgnnt atcnancnng 840
ttntacntnt cnntgtntac nctgacnata nngtcaanac atctcnnntn cgagcanatn 900
cggagtngtn ctacnncnnn ngnatatcnc tatcatcnnn cacgnncact atngatanat 960
nctgatatat cngcnagcaa tcanacatac ncgtagatct cttgtatnna nncngacaga 1020
gtctgtgant cnnantgcnn acncnttnnn tnatnttant cacacgnntg cactnactat 1080
ntgntnattt ntnaatntta catcgncnnn tncatttnct cgntacnaat atactcncng 1140
tcntncaaaa ttctcacgag ttangattgc acnctatctc tannncgttn ncgtctcagn 1200
ntacgngatc tttnangant cntannnttn cagtnttnct cncgaanact tntgngtnct 1260
tatatanact nccnnnancn atctngatct ntctttatat anacatntta cacgtatgtg 1320
aannntctga atatatntca ttnnctcncn ntaaccgaca tnncatnttt ntatantcac 1380
agaattannn aatagcc 1397

<210> 1983
<211> 678
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(678)
<223> n = A,T,C or G

<400> 1983
cnncngtaga cgttntnttt tttnttttttt tggccttntt ttttttttttt ttttttttttt 60
ttttttaaaa aaaannnngn nnttttttttt tnnncccnnc cccnccccccc ccnaatnngg 120
ggggggggnn gnntntnaaa ncnntctntn ccccncanna aanaaaaaan nnnatttttt 180
ttctccnnnn tttncgnnnn cnnntnncnn tnnaaaanaa nnnnnnnnnn cccccccccn 240
nnggggnntt tttnggggnn tnaaaaaaan tnnnccccntt tttnggggggg nncccnnnnn 300
ngggggggggg nncnnaaant tttttttttnn naaaaaaana aantttnncc ccccccccngn 360

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ttttttttnnn nccnnttttn cnnaaaaaan ggggggggna aaaaaaaann nnntnttttt     420
tttnnnnntt naanannnna annnnccccn cccnnttttt ttttttttt ttccccccag     480
ngnnaaaaaa aaaaagnngn cccccnctnn ccccctnngg gggggggggaa aanccnctnc     540
nnttttttttt ttnnacncnt tgggggngnn ttttttgnnc ccccaaagnn ngggggtgnn     600
tnnttgnnng ggnaaaaann cccntgnggg ggcncnaana aaaaaaangg gggttttttc     660
nttcccccccc cccccccc                                                  678

      <210> 1984
      <211> 970
      <212> DNA
      <213> Homo sapiens

      <220>
      <221> misc_feature
      <222> (1)...(970)
      <223> n = A,T,C or G

      <400> 1984
atatcgcaat tncaggtcta ttgatttgct acatgcttaa aatgatagag gttgctcagc      60
atttttggag tacaaggggg tcagcagaga catgtgatga gggnttacnn gtnatnataa     120
cccacacnnt nacanngtgt ccangctatt taaatgacna anacttcnat tcaacnnnan     180
tnctatgggt cnngtttggc ancatngctt gnnnnatgan aanatgntcc nctccgctta     240
tnatcncntn nctaattnca gaaaggactt aatatctcan tatccctanc tnttggtacc     300
cnntcngnaa ntncattntn cccatacnat ttgtnccant tcnantcccn tantnncnnc     360
agctnaacca cnnaancnta ntanttttct annnngcnnn aaaacttcat aannanttgn     420
antcanaccn cncntttcnc taantcctna nctggggtcc tnnnnaccgc ctcatctanc     480
nntccgtatt accntttatn cnctctatan ctccgtcaac anaattctcn ntctnnnnna     540
aactaacncc tcattcannc cccnactaca atncacntcc acnttctact ctcctntgac     600
atctactanc acctctnnnt ccntnatttc attctaaatt nccccanaaa nncgcgatac     660
ancctntncc nnanttccnn ccntnncgcc nctnctanaa aannnatatn ttcntctann     720
nttnnctaac atttctttnt tcnatntnaa acncnnanac tactnnaang nccancctca     780
cnntatnccc attacntncc tttcatannc natncccnnc ctatancnca nacttanctt     840
taccccnctc tttaattntn tntnaagntn atcttnanta tantncnagg cctatcgctt     900
acanacttnc ttatatnacn anccattccc naaattnntt cnattcaata ccntcnctan     960
ccntntaccg                                                            970

      <210> 1985
      <211> 685
      <212> DNA
      <213> Homo sapiens

      <220>
      <221> misc_feature
      <222> (1)...(685)
      <223> n = A,T,C or G

      <400> 1985
nnttgaaaat ccggcacgag gggttnngan atgtncacnc cnttactgan aaancatacc      60
tgacngcaga ataaacccac atctactaag aggcttccat ggtttttact gctatcactt     120
tgattactcc aataatgaaa ctattgaatc tgtttcttag aagccaaggt aagaaagcag     180
agaatagtct gccattgaac tgatagcatc tgttttataa ttatctggtg acttttctag     240
agaagatgta taaaggctgt gttgtttcat gtacaccaca cttgaatgat tgcttcttga     300
gttggattgt actccagtta tctatttctg tgtaacagtt cacctcagaa cttcgtggct     360
taagatgcct gttatgggta agatggagca aacacatttc acctgtcttt tctactgaac     420
tcagctaaaa cacctggcct agagcaacta tttgaggact ccaaaagacg tatcttaaaa     480
gttgcactaa gaaggagcag attttgaagt actggtgaac cagggtttaa tttatcattc     540
tcacctctct catatcctca ggcttcaaat caacacagcc taaaacccct aagtgggaca     600
ttaatggggg gataaagaag aactctanga aaanccttca agttctgggt caaaagaatg     660
```

ggaaaggcga aattgnnaat actna 685

<210> 1986
<211> 645
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(645)
<223> n = A,T,C or G

<400> 1986
gatcccgaag ncccaagtga tccaaaatca aatatttgta aaagagtaat tggtttggaa 60
ggagacaaaa ncnnnaccac tnntgacatc tcatcgcctg gagtnggtac agctactggg 120
cctggcagat gtgttcacag tggaggagaa ggctggccgc atccatgcag tagaccatat 180
ggagatctgc cattccaaca tgctgcgttg gaaccagacc caccctacga ttgctatcct 240
tcccacaagc cgaaaaatcc acagctccca ccctgatatc cacgtcatcc cttactctga 300
ccattcctct tactccgagc ttcgtgcctt tgtcgcagca ctgaagcctt gccaggtggt 360
gcccattgta agtcggcggc cctgtggagg ctttcaggac agtctgagcc ccaggatctc 420
cgtgcccctg attncggact ctgtacagca atacatgagt tctttctcta naaaaccaag 480
ccttctctgg ctgttanaaa ggangctaaa gaaggccgaa aacccaangn ggtggggttg 540
gaatnccctg angaaaggct gatcaatctc aaaagaaggg ggactattgt tgacngnccc 600
actgggaatt tcagtgcact taanggctac agatgaagag tttat 645

<210> 1987
<211> 1215
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1215)
<223> n = A,T,C or G

<400> 1987
atttcgaatc gcaannnntg gnacnaaaan gannttaatc tttcttcaan cnancgttcc 60
ctgtgggaca agggatngna acnatntatg gcanatntng agagancaag cannatncaa 120
nanntntgta ttcnatnann tntaatatac acanaanana nnantanana tnnntaanac 180
ataaatcngg gggggggggaa acatttttt tntcananta naactcatan cnctattngn 240
cgccatccat antntcgnnt ccaacgtctn attaantata ntganntana atctataana 300
atatatcnat tagcatccac acatatataa anatctacat ctatattaaa agaatnagac 360
nanttcaata tacatacacn tatatnatnt annancatgt aatntatcan acnaaagaan 420
taccatcggt atatncacan acanatatnt aactnctnta tnnanantaa nactnccnnn 480
tnnaaataan ntatcatnnn tactatnann ncnancatca tannnctnta tatganntnt 540
nnaanaanta nnnnattnnc aaatcantca ntaattaata nataattgna canacnaatn 600
tttantanat caatataata cnnatactaa nntcannntc aaganannan nanctaacag 660
aacncnctat atatanatcn anaaanatct antcgcannt naatcaccnt atatcatatc 720
tatncataca acncttaacg tgnntcntcn naacatncan atctnttcan accacatcac 780
ngacaacacn tcagacatat ggatctctta tcanacnntn aanacancta cnatcactcg 840
atnataccac atntatanac nantnnatgn ataaacacnc tanatacnna aatcncacat 900
acatntttan atagannnac agtnntannn ataacacaca ttaataattt attacnaatt 960
acacagagan acntntcaca tancatanaa atctnaaaaa cncanntana natcatatat 1020
atcacaacac acaccnatan catnnntana tacccttact cannctatac natatannat 1080
nanananaca actcataata antnnctcat ctanncaaan cttaatctca ctatgtatca 1140
anacncccтt tatagantac caacatatcc acacatantc acnnttanac tctctgntng 1200
anatcgtttn atanc 1215

<210> 1988
<211> 1162
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1162)
<223> n = A,T,C or G

<400> 1988
nttcaancgc anngannngc tgtaatccct cngtgtgata cagccaattg taaaagactg 60
caaagaggct gacttatcct tgtataatgg aaccnnggggg ncgtnntnag gatgatccnc 120
cccncncctt ncnncnctnt cttcttnngn canaatcctn ccagggaaga tatctttccn 180
tgtttaacca ntcttcaaat tanncangng cancnnncnn tatnaccnct ttagcggcca 240
tctnctccnt atcnnacctc nnnncntctt ngaantnntc ctnanctcnc ctctncntna 300
cattcntgnc gtanngntnt tngncnnaat ancnccttat ntnntccacn tccnanantn 360
ggntcgnnna tncnctacnc caatntntac aatctgtttc gncctattct acaancttgn 420
ttctctcaac nanatctaca acagtncctt nggtgncatc naccnnccnt cntcaacact 480
tatacatccn tcanacntct ntannntact ctcnnntcnt ctgncatnct gtatcncntc 540
tcttcnctgc ntcanatccn cnnnttcnna tntcctctgt actctctcnc ccctcctgtc 600
tantgcgtat cacntctacg tanttcgtca tacntctccc actcncacac atcgcntcnt 660
tcnccacaca tacncanacn gtcncccata ngcncgcact ctacatgcgc nctcnctcta 720
ctntctnnac tcgcncatct ctnnctcatc gcnctccana tctccttata ncncgcgann 780
nntntngcan ctttctcggn ancactanct actcngagct cttcncnctc tntangctan 840
tcatgngccn nnantcnctc tgcgncacat ctcnnatctc acaccgncnc tatnctgcct 900
gctcacgact ctnacncana ctnacacttc catttgtnct ctcnatnatc cctnccgnct 960
cngncncacc tanattcnac aancantgnc ncttncnatt tgcactatcc tattctatcn 1020
ntntanctnn antccccnnc catcctnncn atctctccgn nntacancnn tcttnnancc 1080
tcatnggntc ccgcnttcct ctntcactan cttantnnct cgtagacgtc cctacgcnat 1140
nnntatctnc nttnttttcn nc 1162

<210> 1989
<211> 1125
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1125)
<223> n = A,T,C or G

<400> 1989
nnttcgaant cggcggggag gcaatactcc anttngnccc ccgnnnngng acatcattaa 60
ataaaaagac acaanatcaa aanctattct cccantatnn naantnncnt ctannaatnn 120
ggggggngtn tntttaaana antaccaant nctccaanan ntctccaana ngtaataaaa 180
cannatatat cntctntanc ctntaagaaa tnccacanca nacgacantn ttntnccnan 240
tatnntttnc gttantncnn ntnncagtan ttcaaannat tcatatnaca atnanttnaa 300
cntacttntn ttnttcctna ntntactann anaacaccnt atnttnatta nttatatnta 360
ttnacnnnca tnttntantg actnnnntcn caanatcana nananacnca ancncaagat 420
tatnntccnt cctantantg anttntacac tnnaccnctt aaacactcta ancannnata 480
tcaanatctt tatcactcta ttntncaant acttcnaaaa tacttctnnn ataatatnna 540
aaaatcntca tctcatccaa canntatnnt ntantccccc tatcncattg tccttctctn 600
ctccnctcng acnnctctta ncatccncac ctcatnncnc ncntatatcn tacananctc 660
annatatcnt angctaatna ncatatcacn nnntctncac ancacttctc antatcacca 720
tatcatcaat cnttnntngc gantnaacan natacacnna atnnactgaa ctncatacng 780
atncgccaca ancactancn cactncnnan acccntatca tgtntacnnc ncgtcanatt 840
acatnctnat acncaatact nacaccgnac actccnatcg atcncacttn tncatcanac 900

tnntncnngt acaatctana catccaacna ntacnnanan nnactacann ccnnacacat 960
cncgtcnnaa cncacancat actagnaaaa ncatacnnca ctnnacattn annangaccc 1020
atctnctnnn actncncacn tnatnatnac tctnctnact natagtcant atatctaaan 1080
aaatccctan aaanaaatcg tatatnttcn tatancacta tnnnc 1125

<210> 1990
<211> 670
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(670)
<223> n = A,T,C or G

<400> 1990
ntatcgattc ggcacgaggt tctcccttan canangctng ctttatgaca acancagagc 60
ttgagcatnt tgagaaccaa ctttgcccaa gaatattgat tagtagtttc tgccatggtc 120
acaggaaagg agaatttagc attttgtgtc tctgtgtgtc atacctgaat aagagtctat 180
tggtgcaaaa gagcatatcc aatagtgata ttcataaaat aagtgacgca aaatagtcca 240
tgcaggatgg gcacagtatt tcaataaaat acaggtagtt aagtaaaggt aatttctagt 300
tgagtacata actgagacag aaaatatgtg catagcaatt ttaaggtatg ttaataaaaa 360
agataaagaa tttactaaaa ttaaattgca agaattctgc aaccatattt tctttgcaat 420
ttaattttct gtattttaat ttcttgggat atatttatat ttggcagtat aggatggaat 480
tttcaaaaac aatattgaaa agggctgggc atggtggctc acacctgtaa atcccggcac 540
tctgggaggc taaagcagag gattgcttga cccaggagtt tgagaccagc ctgaacaaca 600
cagcaagact ctgctcttca gaaaacaaaa aacttatcta ggtgtggngg cacatgcccg 660
gaagttccat 670

<210> 1991
<211> 1468
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1468)
<223> n = A,T,C or G

<400> 1991
nnnnngcnnt annntnntna antactatcn nacnnntcna nnacgctgcn gaactatnnn 60
aanaganntn tncnnncacg acnnantant actaactann ncggngnagt natagctann 120
agcgancttc ncntcantga tgntngacnc acnctncnnt actntcannc atacntaatg 180
atcngtnacg ctaaacatta aatctnnnnn ccacntntan nnancgaaan ccgggggga 240
aggtnattat actaaagnag ggcccccnnn ncagnaaaca cctctacaca tngnggnatn 300
tgcattcgta tntatatacg aacngnaant acacgatatc natgaaanan atgggggggg 360
ctntagagna nanngangtt ntcnngncnt ttacntagan nccngtcgna nantagnatg 420
aantcnnnna agtnagantt gnnggnancn ntagnntnna nngnaatntc attnnntnnn 480
nnganagnat aatgncgcna ntgtngcgaa tnctnncggn cntcaaaccn anagnncngc 540
ganctncnnn ngaccgcnnn aannaaganc tacaancgtn cgnngcatcn cnnnntnaga 600
tttcnaaanc gtgnancana anntnaactn aantatntnn ccggnnccgc aaatatgtan 660
nanacntggn gtgggacaan tgcgnagaga cgtgtagcnc antgctcnnn ggancnnnnn 720
agatnatcgn ntaananaga ngancatacg gagganaacn anantcatcg cacgccgcgt 780
gtacnaacan cgcactntng gntgcaatac ancnnanann gtngtgcnct natanacgcn 840
ganatagtgc tcaanatcng ntgtatctat natntantat atgtncgaan angagananc 900
aggtacnnan ncacngtata cgtcntagca caangaacca ancncgccnn cagtatcnna 960
accncnnnac anacgncgna ncaatcannc ntacngcatn cnacgnntnc gngncatata 1020
tancngntca cgcanaagna acgacnagnc ngtngatgcg acgtngcncg cagcanccna 1080

gaannncnnn natgctntcn nccnnacngc ngaaacngnt nannnanaca nnnnnnnccg 1140
aatgtcctcn ncnnganncc gnttannanc ganctatncn ngatncgcac nnnnnntcnt 1200
naatctancc nntcgntnca tactnntccg anttggacnc cgctaacngt aatatanngn 1260
actncgnnca cgtncgncac gagnntnnan agcgcgncgc anannnctgc nnnancaagn 1320
canatcngca cantcnggnt ntcntgtcga tanccnacan ncgtntcgnt antcancnta 1380
tgntnntgnn cacnagnant nncntcnaat ncgtancann caactancan ncncccncnn 1440
cngnnacaac cancncannt nncntccg 1468

<210> 1992
<211> 1461
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1461)
<223> n = A,T,C or G

<400> 1992
gaanaacnta ngtnngatta atnggtgana anngcaaata ngcattggta tganngnnan 60
ttngagaatg tatntntcgt ngtnataacn cacnngacga naactgtaaa tannnntntt 120
ttntaagaga actganacan ancatggann cggaacnatc aagtannnga aataaantgc 180
gtnangntat atcantagca tanncntaaa tnnnnnnntt taannttnnt anaacttcgg 240
gggtgtnant tanccccana aacccccngc ggnggggggn angnannnaa aganatnnan 300
ttannacncn taaatactaa nnntcttgnn nantccangg ggttntttnt tacaagatgt 360
gtggccaana annnncagan ttttgtnttt atagnntttt nngnattnnn tngtngatac 420
ntgtnngant ggaanctann attgnangtg nntngaannt nnanantnga nngnanagna 480
nncngnntna gtatggcnaa tgnattaaga nnggntnatn tnggaannac natntantcg 540
gagngnntgt antngggant natttaggac ggtnttctta tnantnngna nngnncantn 600
nanngatata ttcnattatn gcgaatgggt attanaaatt gtnntgatnt ntnntnnntn 660
nntgatnnnn atgncnataa ntgcattggt cnanttnnac anangncana acnatantta 720
anttgnnnna tagtatacan anaancntgc nnatatgnan acaatannтt nncggaacta 780
tacagtntnn gccananttc atatgttgga acacttncgn cacnngtcta gntctataga 840
nanatatcnn gggtgtgtat gagantnana gatcgcnnga tctncagtta tatgtnnatt 900
accatnatan atagatnacg tacgngcana atgtgatann tcatacaang agatcnanga 960
atnttgatnn tgnagntgtn tgattacntn ncnatactga tgnnagnagt ancgctncnn 1020
ataaacntgn nattangctn gtgatangng ttatgttgag ataacatant annattaaac 1080
tnacgagnat anttaaatat tancntttgt natantgnnn nnaaagngat cnnatanana 1140
ngtcngagta tactatacat gacggnagcn canttntgan agngatncag atgtatcngt 1200
gtncgncana ncancatcca atataaaaan gttgatcngt cannnagcnc agtgcncgna 1260
taaatnntac acncgtangn aacagatnga ttaactacaa natacacatc aganctgcgt 1320
gcanatgcag aangtgcnng tcatcncgnn agtgtatgtg natgaatatc ngaanganac 1380
tactcantga agacgagatg canntnnnaa ncnnacatag acactcggaa cgcataganc 1440
nctnctggga ntgaactnnn n 1461

<210> 1993
<211> 679
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(679)
<223> n = A,T,C or G

<400> 1993
tnatcnttag catacaccct cagggagtca cagccttcca acgtccattc atggagccca 60
ggtccaaaac ctgtgatccg agaataggat aacccttttc tgcccatagg gtgttttcca 120

aagacctttc attgctctgg gttacgtggg aaacaacaaa acagaaccat cccccgcact 180
ggtcagctgc tacgggtcac gccagggaaa agtgtggact gatgtatttc gttgtttacc 240
atgtttctag ccagagctaa tttgaaaata ggtatcccaa gaaccagact gcaggagtat 300
cccaaaataa aacattttat tataataata atgacaagga tggtattttt cttccatctc 360
aaaattgtgt ataatgcgat attcaattta tagtttaata aataaaaatt cttatctctt 420
acgaaaagtt tcttttagag ctgagctttg cttaaacatt tattatccat ctgctttctc 480
ctaatttgaa aacaagcgat aaagcaagca atttacattc ctaacagtgc ctaatgagac 540
agtttattca ttcagtcagt aaatatttat tgaacatcta ctgtgtgcca ggcataggga 600
aggcattaaa aagatcttgc tgattacagt caaaacatag tccctactct catggggatt 660
ttacaaccta aactcatgg 679

<210> 1994
<211> 701
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(701)
<223> n = A,T,C or G

<400> 1994
tnnntcgtcc ctaacgaggg tacctggtgc ctctgactgc gcctctgcct ttgccgcctg 60
gctcctggtg gttcaagttc cagaaaggtc cgagggctgt aaggtcctta gagaacctag 120
aggctcctcc taggaacctt taaaaatgat accctgccct gcgttggagc ctgtgaattt 180
ctttgcatgt gaggggccag ctgtcaggtg gtcggctgag ccagggcaga cccaggagcc 240
cagcacgcca tcgcggaggc ctttctgatg gcacaagtgc tagccgttcc tcctgcttct 300
ccgcccactt ggccatgtct gggaaaaggc tccccccagc tcccttgctc tccctggagc 360
accacgggca ggactctgac cggggatggg caggttgggg cattctggag aggaggtttt 420
ggagtgatgg gtgcagaagg cgttcagggt gggtgaattt ccctgaaagc ctcaggcccc 480
agctctggct ctggtccttc aactcttaag gccccctttt nttcatcttg aagaaaattt 540
gaactcaaac tcaagggttc cccacctggg ggggacgcca canttggcca gtntgccgtg 600
ggaggtcctt aantggtggt ctgaaggggc tnctancgtc agaaaagctc tgcagaagcc 660
cctgncccaa aggtgtctgg tttggggcta aggtgatgcc g 701

<210> 1995
<211> 1227
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1227)
<223> n = A,T,C or G

<400> 1995
ananannana nannnnnncn angnnanncn anncnaanaa annannnnng ncnaangnnn 60
anannnnnnn annannnnna nnngnnnana gnnngannnn nnnnancnnn nannnacnnn 120
nnannggngn gangnaggac gannannnnn anngaangna ngngagggcc gangangann 180
nnnanacnnn ncnnnnnnnn nnagcctnng gaaaaccctt nngnccaaaa cnaccccgnn 240
ncnnttttnng naangggaaa acccaatcgg naancccccc nggggancng ggantgggna 300
aaaacggacc aaacaaaggg aaaacctngg aaaagggccc ggaccggggg gggcncggaa 360
aancaccctn gggngaaatc ctgggggggg ngncggggna anaaacngga ggcccgggna 420
aaaaaaaaaa ctgggactcc aaaacnacca cccgggaacc caanccggna ccgggccana 480
nntcggnaaa aggtaaacct nccttncccc aaggncntcc ngggnnactc nggcntngga 540
atgnctnnng ggggaaccca angggggngg gaagggaagn cacccancna agagggggaa 600
gggcncnaag ggggggaant gggaannnga nnnnccaggg gaatggaaaa naaattnggg 660
agggggggaaa aaaaaaaaaa tgggggggtn aaagaaangc cccaaaagga aanttggggg 720

naaangtaaa nggggggggg aagaaaacaa agaaaaangg gagcccnggg ggnctnatng 780
gggggaaaaa gggaannttnn ggaaaanaaa aggggaagnc cnggggggaa aanaatgggg 840
caggggaaaa anncnggggn aaaccnnaaa aaaaaaaaan gggggnccnt ttaaaaagaa 900
aaccccaacc ntcccnnaaa anctccgtnn ccccnaatcc caaaacccaa nagncctggg 960
ccgggaccca aangnggcat cntnntnacc ctggcctnan caagcattat nggcccccaa 1020
ngccncccctc caaaaaacan ctggtncccc nggggcntaa agggcaaggg ggaaagnaag 1080
gggaanaaca anggattngg gggggaaaaa ggccntnaag gaaaantgng anaangtggg 1140
ggaagaagga acaanctngg ggggcttngg gccaatgnnn aaaaaagaaa gggacngntn 1200
acggaaacca tatcgggaga aaaaaan 1227

<210> 1996
<211> 764
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(764)
<223> n = A,T,C or G

<400> 1996
tcaaattcag ctcnttgcct ntcngnagga tcccatcgat tcgtctggga gctgattgga 60
gaagcggcca agagtgtgaa gctggagagg cctgtccggg ggcactgaga actccctctg 120
gaattcttgg ggggtgttgg ggagagactg tgggcctgga gataaaactt gtctcctcta 180
ccaccaccct gtaccctagc ctgcacctgt cctcatctct gcaaagttca gcttccttcc 240
ccaggtctct gtgcactctg tcttggatgc tctggggagc tcatgggtgg aggagtctcc 300
accagaggga ggctcatggg actggttggg ccagggatga atatttgagg gataaaaatt 360
gtgtantgag ccaaagaatt ggtacnantg gggagaacng ataggagctg tgntattgnn 420
aatgatncgn ttantggagn tncaattntn gctnaangtn nngaactagc ttncgntgnn 480
cctnaccnna naatgcntnc cnagcccctg gaacaacatc tgaagagcca tgtccccnag 540
gtccaccttc tgcttctgan gggggctccc gggatgaaca ggatggagct tcagctgaga 600
cagaaccttg ggcagctgca gtccccccng aatgggtncc tattatncag caggacattc 660
acagcncagc cggaaaggtg aaaccgcagc ccnctctgag tgatgcctaa cttanttggg 720
atgcctgccc agaaacccca gacgatgcat ggtganggcc ccct 764

<210> 1997
<211> 731
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(731)
<223> n = A,T,C or G

<400> 1997
gnttnaatat cagctntttg ttctttctgc aggatcccat cgattcgaat tccgttgctg 60
tcgttcccat tcagctcttg gggtgaagcc ttattcctga tgctccagac gatcaccatc 120
tgcttcctgg tcatgcacta cagaggacag actgtgaaag gtgtcgcttt cctcgcttgc 180
tacggcctgg tcctgctggt gcttctctca cctctgacgc ccttgactgt agtcaccctg 240
ctccaggcct ccaatgtgcc tgctgtggtg gtggggaggc ttctccaggc agccaccaac 300
taccacaacg ggcacacagg ccagctctca gccatcacag tcttcctgct gtttgggggc 360
tccctggccc gaatcttcac ttccattcag gaaaccggag atcccctgat ggctgggacc 420
tttgtggtct cctctctctg caacggcctc atcgccgccc agctgctctt ctactggaat 480
gcaaagcctc cccacaagca gaaaaaggcg cagtagagcc agctactgga gtcattccgt 540
ttccactcat tcacccaacc tcagggttct ccccatctga gccagcctgc tggtgtgact 600
tactcatcct tcattcctct gnacttgcag actttctgag ccaggggttt tcttttagtg 660
gaaacaaatg ggtgatggat ccagatcctt ngaaaaggag aggattgggg tanagtctnc 720

caagccaaaa t 731

<210> 1998
<211> 729
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(729)
<223> n = A,T,C or G

<400> 1998
ttaataaact gctcttgttc tttttgcagg atccctcgat tcgcttggtt gggataaact 60
tgtgtatgcg gatacctgct tcagtaccat caagttaaaa gcagaagatg cttctggtag 120
agagcattta atcactctca agttgaaggc aaagtatcct gcagaatcac cagattattt 180
tgtggatttt cctgttccat tttgtgcctc ctggacacct cagagctcct taataagcat 240
ttatagtcag tttttggcag caatagaatc actaaaggca ttctgggatg ttatggatga 300
aatcgatgag aagacctggg tacttgagcc agaaaaacct ccacggagtg caacagcacg 360
cagaattgca ttaggtaata atgtttccat aaatatagag gtagacccca ggcatcctac 420
tatgcttcct gagtgcttct ttcttggagc tgaccatgtg gtaaaacccc tgggaattaa 480
gctgagcagg aacatacatt tgtgggatcc agaaaatagt gtgttacaaa atttgaaaga 540
tgttttagaa attgattttc cagctcgtgc tatcctggaa aaatctgatt ttactatgga 600
ttgtggaatt tgttatgctt atcaacttga cggtaccatt cctgatcaag tgtgtgataa 660
ttccccagtg tggacaacct ttncatcaaa tatgcttata tgantggctg anaggactac 720
taactagta 729

<210> 1999
<211> 689
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(689)
<223> n = A,T,C or G

<400> 1999
gttcaattcg angagaggag gcttgggtag tgcagatttg tgtatttcaa tctttgaaag 60
ctctgatgta atttagaaat gaaatccaat catgagtcca ggtagagaac gcctgctgta 120
atctacactg ttgctgggac tgcgcattct gtatataact gtgttggatg agtgacagat 180
gattgtccag actaggacag cggcatgaac atgactttgg ttgggattgc ggatagttag 240
ggttacctct gaatcgtgta gcttttatga gagcagctgt gcaagtgaat ccacattaat 300
gccttgtcgt ggtgccattc ccagcgcctg acgatacgct cttctattgt cttattctgg 360
caggttttga cgttttaaat tttttaaaga aattttattc cttggaccaa aaggtttggt 420
taaccacccc cctcttactt gctttcacat tttgagtgtc cagaggaaac agaaaggaat 480
gagtgtgtga cgtttgctgc acgcctgact ctgtgcgagc ttcttttctg ngnatatatt 540
ttggtttatt tttttccggg tatattttta atcccgacag aacatcatgt ggagatttct 600
tttaaaatgg gaattaaaac cgatttcttt cancccctgaa aaaaaaaang gttttgaaa 660
aatngttttc cttgnaantt ttgntttgg 689

<210> 2000
<211> 796
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(796)
<223> n = A,T,C or G

<400> 2000
cctcgattcg gcgcgagacn nanngagaga ganngcnnga gagngagaga gngagagaga 60
gagagagaga gagagagaga gagagagana ganaganaga gagagagaga gaganantgt 120
ntntntnnnn gngnnagagn gnnacanncc ntcncncctc ctagaganct gncncnctgn 180
ccttggctta accnntaaat atanctntnt tctngtncct gggtganttt ntcnacaaga 240
ccttgtttcc ccnnntcttt nctcngaaac cngtcntnct gcccctctnt tntccctcnc 300
tctctctntg tgtctcacgc tctaaacnct ttctcgcgct tgttnttcgg tgaaanattt 360
antnntccat cttcgtgttg gtgagcggag cccncntttn tgcctgngtc tctcttttt 420
tnatagnntn cccttcttct tcgaacnctt ctnccccccc ccttnaatgg ccggcttttt 480
tnttantncn ntggtgattn ccccccccaac gggaaggggg ggggnaaatn ttgtccttgt 540
ggtcctgttt tcttgccnng gggctttnna ncttctnggt cctcctcccc cccctggggt 600
tccannccan gggtccccnc tttcccnctn tccngggccc ccccccccnn gagaaggggc 660
ttctgggncn ccccccttggc nnnccccccca ttaccccccc cgggnccttg gnttcttnna 720
anttgccgtt ctttggggtc attgaaagcc ccccnnccccc tnntgccngt attaaggcct 780
tgngtttgcc cccccn 796

<210> 2001
<211> 1126
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1126)
<223> n = A,T,C or G

<400> 2001
cccnancnnn caannnncan nnnganntng nngcanngnn nannnggcan nnnnangnnt 60
cancncntng nncannnnan ncnngacann ngcnaaannn nannnnatnc cgccancngg 120
ganntnnaaa ngacncncan nngngnnnnn acgnangngn nngcacgnac gcngcgctat 180
acganncaca nacncnanan naanacncnt gcgnnnngnn ccnntacgat cctnnaanac 240
gcnacnannt nacnnncncn nncnnaacna nggaacncgg nggngaagga anagnccaca 300
agggaccncn ntgcggngca gtataaataa gannnnnncc agnacatgtt ttnntacctc 360
tgctgtggga tnttnggggn cattactttg ttgatctact ttgtagttaa cctagagaag 420
ttaacacagc cattgctaca gagctttcng ccncttgagt gccagaantc cataatccag 480
ttatccnang gattgtgggg gagnnaaaag aggnantncg ggcatggnnn cnttgaatgg 540
ggagcaaata caagtccntt annngganaa gtggccnata aanngtctta ngtatnacac 600
cnnggcctgt cantattata acatntanaa naaaacccga ccaataanan antganccat 660
ntggaaaaac ttccctttan tttgcgaaaa canggangaa aancggttga cggaagaata 720
anaanaagng gggtccaaaa naaggggttt caacttgnnn ggaataatgn angtcgaagt 780
ttgccccanc nagggatngg aattaggggt gaaancgggn aatgcctgna aagnnggggc 840
caaaaccccc nnggnnaata naancctctc aagaaagcca tcnncaangg aannangggc 900
cntgggnnga nanaanccan taggnanaat natgnngtgg nagactaang ggggacncnn 960
tncgannagg gagnggtnaa gggntcaanc cgncntcgaa aanaanaggc ccctangggg 1020
nagnccnnct aatngggncc naaacnggag tcataaaagc cgngcncaaa nnncnagaac 1080
nagcagcgca ngnngaatan tgncnnnagg annantntaa accccg 1126

<210> 2002
<211> 679
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(679)

<223> n = A,T,C or G

<400> 2002
gttcgattcg gcacgagatt atacccaaan aatgggatgc gtgtgggaca gcttttaaag 60
tgtttgaaag attttgcatt caacattcag gctatcagtg actccttgag tgaactatgt 120
gaaaataagc gtgacaatgt agtcctggca tttaaacaat tgagtcaaac cttttatgag 180
aaacttcaag aaatgcaaat tcaaatgagt caaaatcatt tagaataaca ccatggaaaa 240
ctttcaagtc tgattatgtg gtatttatcc ctttgcaagg agagatataa ttaagcttac 300
acaatgaaat ggaaaaaatg tttgtcttgg agtcaaacag aattaaactc agataccagc 360
tctgctattt tctaactgaa tgactttaag ttatgtaata tatctgagct ttaacttcat 420
ttttggcaaa accagagtaa aaatgaatac ctctagttgt tttgaggatt aaatgagata 480
atgtaagaaa agtgattggg attgggtggt gacttaatga acggtagtgg gtttttaagt 540
agttaatgta tagcaaaatt aagtttcaca ttgtcaagtt ttcaatacat ccccaagtta 600
attggaattt taaattaatg gatcaaataa atcacaaagg accccaaatc aattctgaac 660
aaacaattta gtttttgta 679

<210> 2003
<211> 684
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(684)
<223> n = A,T,C or G

<400> 2003
antntcgaat tcacaccagc ncnctnnaaa cctttagnct gctttaagaa aactcagtat 60
ctgaaaatct taacttagca tgtgatactg tcttatcagc atctgcagaa gtgccaaagc 120
cactgctaga cacttaatgt gtattatttc atttaattat attttaaatg tgcttccttg 180
gtaattctta agctcgagaa agagtttgag aactgctgct aggaaataga gattcacatt 240
taaccctgtg gtacttttaa gaagcaggta cgttgttgca tatatacttg ggtagagatt 300
ggtaactatc tgatagggaa gctcaagttg gccacccaag tctgagaaac ccttaattac 360
tgagaatcaa aagagcagaa tgtctgtaga cattttggat ttgtaaaaat cacattgttg 420
agttatacct gtgatgggct gaaagttttt ggcattcttt cctgttcttc atatgccagt 480
accataaacc aaaaagtatc tcagatctgt cactttcttc tcctaaacca atgtgattgc 540
agctttttg ccttcagccc ttttccctat ccagtatctc ctacatagtt acctttgat 600
cttaaggaac tggtttgaat tggggtcact tccttgccta aaattccatt gaatggtcat 660
tggtaaattc taaaaataag agtt 684

<210> 2004
<211> 1508
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1508)
<223> n = A,T,C or G

<400> 2004
tgnaccnnnc ancnnnccgc ncccnnnnga cnnnnncaca ncangncncn nntnncncaa 60
nnnagcnnna cncncntctg nncttcncgn gcancnaacg nctcccngcg nnggctcnnn 120
tcactnctac nctcntcacc ncncannnna gnngnnttga cnngcgcnng acnntancac 180
ctcacnanac ggctccntcc annncgnnct ncncnatctc cgcgcnggcg nnnnnnnnnn 240
atngggncgn aggncancta ttncgtccng acngcccggg gnaganacgc nacaaacctt 300
nancngggng tgtcncaggn gggnatanna ggnttccncn cctncatgng gccccngggg 360
gggganttcn cnactcgnna ngtcgccccc acncacnccn tgtaccgcan ngncccacnc 420

aacagnnntg ntcnagcccc actgccggnc ncaaatactn gacgcacncn gnncnncngn 480
cccnntnnnc tccnnaacan nacccnccac cnccncgaac annnnnncnc cggcncnagc 540
nnncgnatnc agatccncan ngcnccnccc tnctncnanc ngtccgacta ncaagncgnn 600
ctnaagnaga ntncccntnt nncncntnnc cngcacgncn atgacgncnc acgccnnttc 660
gggnagccgc aatccgcacc tncnnctact anccatnngc nnntccncac cngtctannc 720
gntgtacncg cgcantntcn tatccnncnn ttnctnnnga actgtgaccc ctnacatctc 780
ntacgcgcnc tcngcncann ctncnncana tcgtgnanac tnacncncta ctcancacnt 840
cgncnacgcn naacgnaccg cgnnccgnnt tntccnatga cgacaangcg cntancctcg 900
atctgttgnn ntataanncn gcgggtatnc acncagaanc cacacgcgcg ccaaacannn 960
cgcatagcac actnnntacn cgctnnaacg nangncnacc gannactcan tcanccgaca 1020
ctnanngngc ncngcgcgcg ctnctactct acctccgaca nnnntcngcn acancatcat 1080
tacgcncaca naccncccat cacncacccc aaanacantn cgtgcngncg ncngcgcann 1140
gcacatnncg ananaacnac tccgtncgac ngacgaatac acgctgtcag actcgctcta 1200
nccgcgctga ncttncgcac nctgcacgca ctnnntcnca nanncgcgtc antngactct 1260
atacactgct cacgactcng cgcancgcgc tangacgtnt cnngccagac acaacaccgc 1320
acncannccn gcnctgacgg anccnctctc anacactccn ccaacntccc tcnccnnngc 1380
natcngngac agcgacgcat accnncatnn acgctccgac tcnnncgacn cacnacncnn 1440
gcatcnnnca tncgaacgca agancnncgc anncgcgcgt ncagnncncg cctnacnnca 1500
cgcncgcg 1508

<210> 2005
<211> 878
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(878)
<223> n = A,T,C or G

<400> 2005
tagttatncg gaanttgctg ggggggggga atnaaatatt taccaccact caacaaggaa 60
cccnccnncc agttagtcat ttantaanna gtaagctaga tagatagant nctanaagtt 120
tangnaagnt naggaagctn tcagatantt tangnactct tnattntant anancagnnn 180
ngnatttaan ttgngggggg gggggtgtat tatttttat nnaancgntt nactngntaa 240
gnaaatcnaa cattctgtng nagtatctta tgtatgtact ctncaacatn ttaatantat 300
antggtcatn tntatgatgn ttttaaataa ttgtncntnn atannnntgt tnatancntn 360
ttgnnntttt acnacatntt tttnatttta ntannanann ttnaatannt tatntagaaa 420
ttnatactat attnncnttn nttatttatn anttnttnat ttntagnttt tacnaagtag 480
ttgntntttn nnttanaann tnttntnnnt ctaaaatnnt aatantgnta tcatatttta 540
ttttttannn tttttnttat ntatttattn ntatatattt gannttattn ttcntcttnt 600
tttttattaa ttttnnnnna tttttcgttt gnttataaat catantttтn ttnattnnna 660
tctaatnata nnnnttttctn nanattggan gttnnttntg anctnaanat tgnttctann 720
tnnaaattnt attttnnatt attttntang nttttnaatt tanantatnc tgnnttnanc 780
cntntannat aancanattt ntaatnattt cantatcaaa tnannnacta tcnntnnatc 840
cnatnntatt atcgtttata taanancttt cttatcnn 878

<210> 2006
<211> 711
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(711)
<223> n = A,T,C or G

<400> 2006

nttcgattga caagacaggt tgctgagggg tcggcaagca tctgacttgc ccaatcccct 60
ggatatggtg agccccgcca tgcttttatt ctgtatcgnt tttgtcttta ttgctgcttt 120
caacatttac gtttggttac agttaactat tttcggagtg tggtgattga agacaatttc 180
atcatcccac tgtacttttt ttttgagagg gagtttcact cttgttgccc aggctggagt 240
gcaatggcac gatcttggct cactgcaacc tctgcctcct gggttcaagc aattctcctg 300
cctcagcctc canagtagct ggaactacag gtgcccgcca ctatgcccag ctaatttttg 360
tatttttag tanagacggg gtttcaccgt gttggccggg ctggtctcaa actcctgacc 420
tcaggtgatc cacccacctc agcctcccaa agtgctggga ttacaagcgt gagccactgn 480
gcctggcctt ttttttttt ttttaaaaaa aaanggcnnn ttnttttngn cccccagggc 540
tgggncttng ancccengga gatnnaaang cangccccnc ctggttttna aaaaaaacag 600
gtnaaccggg ggcccccccc catttaancn tttttataaa aaanggantt cctgggcnca 660
aaaggggaat tttttnggng ggggtttccg cgnaantggg gntccaaaaa c 711

<210> 2007
<211> 708
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(708)
<223> n = A,T,C or G

<400> 2007
gtttcncaga tgaaacagaa caagtccatt tttatttct ttcactgcat tgcatatggt 60
actcaagttg tgttgtgtat agctaatagg atgccattca cattttatac atctttttt 120
ttttttgga aagggagtnn cnntttgccc ccnnggnngn agggnagggg ccnaatntgg 180
gttnanngaa ntnnccncnn ccnggntnaa nncnnttttt tngccnaacc cncccnagaa 240
nnnggaanna nngncccccn cnannnccen gggnnaantt ttngnnttt aanaaaaaan 300
ggggttcnnc nanggnctaa annnccnnac ctnggnancc ccccccntaa annttngnc 360
nangganggn aaatnattng ggnccngnnt tttaaancna aatngggnan aangaaaaaa 420
cccctngttt atnaaaaaan naaaanttnc ccngncnagt gggggggnnc ctgaaacccc 480
agntcctngg naagncnggg gcannngnanc cncttaaacc tgggggggcnn ngntttnaaa 540
ccccaaaaat nntccccctt taatnccanc cnggggggnng aaaaaaagaa aaaanttntt 600
ttctaaaaaa aaaaaaaaaa aaggggnntc cctcccggaa ggaaanttna aaaaaaaana 660
aantttttt ttttgtccnc aantttnnnn cncncccnnn taanancc 708

<210> 2008
<211> 686
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(686)
<223> n = A,T,C or G

<400> 2008
nntcattcgg acgagtctgg gccctaggcc tcccaggagc aagtggggcc tctgatggta 60
aaagtcgagg agaaagaaga gaaaggcaag taccttccta gcctggagat gttccgccag 120
cgcttcaggc agtttgggta ccatgatacc cctggacccc gagaggccct gagccaactc 180
cgggtgctct gctgtgagtg gctgaggccc gagatccaca ccaaggagca gatcctggag 240
ctactggtgc tggagcagtt cctgaccatc ctgccccagg agctccaggc ctgggtgcag 300
gagcattgcc cggagagcgc tgaagaggct gtcactctcc tcgaagatct ggagcgggaa 360
ctggatgagc caggacacca ggtctcaact cctccaaacg aacagaaacc ggtgtgggag 420
aagatatcct cctcaggaac tgcaaaggaa tccccgagca gcatgcagcc acagcccttg 480
gagaccagtc acaaatacca gtcttggggg cccctgtaca tccaagagtc tggtgaggag 540
cangagttcg ctcaagatcc aagaaaggtc ccgagattgc aagaatgagt acccagcccc 600

ganggaatca gccagatgan ccagaaaggg ttttgaanca naaggggctt aaaaggggat 660
atnaattttc tggggattat tcgcca 686

<210> 2009
<211> 1187
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1187)
<223> n = A,T,C or G

<400> 2009
ntcactnttt cgtntctgac acnacnntnt cnacnnngnc aacnctgacn tnactaanna 60
aacgcantct ncgntcatac tnctcctntc gntatacaag tcgcatttcc nctaactcnc 120
actcnncnca tcgcgncang nngnagtaac cnnnnaccaa annnnaanna tgatctcgnn 180
cccngtattn agggngnaac cgtgngtcaa tataanaccn annagcnccc nnaatcngnn 240
natcctannn cnaancanct nnatatangt actnatcatt anatccctta aacntaannn 300
nacntnnnaa annaacgggg nnnnantntt aaaanttang anatcgancn cataanacnn 360
ncanntactc ctgnnnaang ncanatanaa naatangcaa tnanntcaan nagtanacan 420
cnnntnacnn gccctgataa naatntantc nannnctntt accantcaac tgncanaaan 480
natgcnacna antnacccan aaataagntn aacntactcn tnactnctnn nantctanct 540
atttnnngnn ntaaancnct gactatnccn atactnncnc ttnnananta nnnatataan 600
nnctgtnntt tacnctttnc ccancaannt tcnntcncnc antncannac tgaatcanca 660
anatncannn ccntntntat cannactttg aactnagnan atcnanncaa tatnatnnta 720
natnnctgac aantaannna gcattgaaaa aagncntcaa tantnttnan ncanacanta 780
nnataaagcc tgngnattac anntatcact nntacanaat nttanatcca aatanaaatt 840
naanaannnn ccactaannt gcaatncaat nnaaattntt anntctaann ntnaatnatc 900
nnaaatnaaa ctnannaatn anaangnant cgnannaant nncnaccata actaaanctn 960
ncatantnnn tatnccttcc ncncnnaaac ntnccnacct gaatccatan aataatcnan 1020
nnnnngncac ttnnttnann nananagcnt nntcanantc nngtaatnnt tcanctnntt 1080
tnnagcaatc tatnannana nnangnatng gnnaaaaaac tnncancaga nanncttccc 1140
natcnttatc gnnantcaaa ncaagacnnn gttantatta nacaccc 1187

<210> 2010
<211> 1055
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1055)
<223> n = A,T,C or G

<400> 2010
tctnnnnntn tanaattntc nacnttncnt tatnaannтn atatcnccnt cntaagtact 60
ntntnagggc naannaannt ttaaannтcg cccttnttcn nntttaatat nttttnnatt 120
tccttatnaa aatatnatac antcggggnn tnactcatat ancnagntgg nanagccacc 180
ntttgaaagc tctgatgtaa ttnnaaaaag aaatcaaatt annggggggg gnttttanag 240
aaatncctcc naagcttnac angnttgttt atgngcatta tnnntntaac tngtgnttta 300
tnattcantt natanaggcc ntantnttcn agatnaaact caatnnttnt ttnnnatnnc 360
tnnanntnna tatattannc anttantana tanattctnn cttnaanaan ncgtnnantg 420
annncnnnta taaatcttnn tttntnnnnc ncttatanac ttnantcatg nncnatnntt 480
aatnttntaa caaaangtnc attcngnttn nnntannana aaatnancnt tanancancg 540
nncnannttt gtaaccaana tngggntttg ggnttaaaca ncaccnnatt tttttaaatt 600
ntnctnttna ccaatgnttn ngntggtctc nantnatgga naaanncnaa aatcggtnna 660
cattnctgnn tntncantna tnnntnccta tangcaaann cnctaangna tnttttgtga 720

tctnataaaa ccnnncaatt cattcnggga ggctaaantc acaanntnnt atgnagcant 780
nntatanttn tatttttatn accccangtg taccataaaa tangcatatn agaaaannac 840
acccnccanc ttnggatana caaantcnac atagtcgcaa gagaaaaaat acatcctntt 900
tcncaaaaaa ngatcggtna nnantnaaaa aacncacaan atttnntcnt atctnacagc 960
tccactcnna nanagaaaan ataagaggga cgtnattatn nctagnaata gtntattatt 1020
ncactcnttg tgnnacctcc acncngtgtn nttnc 1055

<210> 2011
<211> 673
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(673)
<223> n = A,T,C or G

<400> 2011
gttcgattcg cacgaggtgc gtctagagga aatgtactgt tttgcagata ataagtattg 60
atcagacatg catttttacc tctgctgtgg gattttagtc tcattacttt gttgatctac 120
tttgtagtta acctagagaa gttaacacag ccattgctac agagctttct gccacttgag 180
ttccagaatt ccagaatcca gtttcctagg gattgtgggg agtaaaaaga ggtatagggt 240
atggtccctg tatgggagca atacagtctt tattgagtag tgtctatatt gtcttgttta 300
ctcaggtatt tcatatatac attaaaaaaa ccgacaataa aaatgaacat atgaaaactt 360
ccttatttgt gatacatgag taaatgttga tgagattaga gaaggggtcc aaaaaggttt 420
ctctgaggat atgagttgag ttgcccatca ggatggattg ggtagtggat gctgatgtgg 480
gcaaacactg gaatagacct cagatgctgc atgatgtgcc tgtgtaacac agttgaaatt 540
tggtgatcaa ngggacatat tacagcaggg tagggcaacc cgnctaaaaa atgacttggg 600
gtcctttaat tgggttatgt tgnacatggn ggaaagaaga naaggccccg aaatgaccat 660
ggcatanaaa ata 673

<210> 2012
<211> 678
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(678)
<223> n = A,T,C or G

<400> 2012
ntncgaattc gcgngaggga atctccaccc tgtgctgttt tttancaata tataataaaa 60
gccaacattt attcagcact gaagtatttt atacacattn gctcacttaa tttttacaac 120
aaacctgtgt gggaagtact gttataatta atcgtcattt tcagataaga aaatagcagc 180
tgaaaaagta aaaataattt cctcaaagac agccagggct taaatcaggc ctttctgatg 240
tagaccatgc tcttcactac cacagagttc catgctactt tctctccctc tccctcctct 300
cctgtccctg ctacacacac acacacacac acacacacat gcacactcac tcacacacac 360
taggaggaac aaatgagatc attcacatga aagcacttat gtttctgaaa tttaagggac 420
tgtggttttt atctaggntg acctctcaag ctaaaaactg ggaaccagaa taatggactg 480
aaacttgggt ttcacttcca gaccagtgtt gatcctctga attgatgaaa ctgtatagat 540
ttccctcttg gatgcccctg ctaacatgga tttcctttca ctcaattcct aatgcaaata 600
tttgctgacc actgnttaan aatgttacat gcctgcatta cattggatat tttactattt 660
ggggggttng tntaactt 678

<210> 2013
<211> 658
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(658)
<223> n = A,T,C or G

<400> 2013
naggngttga gaaccgagct antaaatcaa ccagtcagan aggccctggc aaatgtagcc 60
tacatcatca tagagtccac cgaggagggc acgactgaat atggcttgtg gaaggactct 120
ctatttctgg tcgacctgtt gtgttgtggt gccatcctct tcccagtggt gtggtcaatc 180
agacatttac aagaagcatc agcaacagat ggaaaagctg ctattaactt agcaaagctg 240
aaacttttca gacattatta cgtcttgatt gtgtgttaca tatacttcac taggatcatt 300
gcatttctcc tcaaactcgc tgttccattc cagtggaagt ggctctacca gctcctggat 360
gaaacggcca cactggtctt ctttgttcta acggggtata aattccgtcc ggcttcagat 420
aacccctacc tacaactttc tcaggaagaa gaagacttgg aaatggagtc cgttgtgaca 480
acatctgggg tgatggaaag tatgaagaaa gtcaagaagg tgaccaacgg ctccgtggag 540
ccccanggcg agtgggaagc ccgtgtgaca naacccaccc ttgaggatgg cctgtccaag 600
gaaactggta acttattcat agtcctattg ggacagcagg agcagcttct acaggnga 658

<210> 2014
<211> 669
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(669)
<223> n = A,T,C or G

<400> 2014
ttnnnnnant ngccgaggtg acattgtgat ngcanganan gntaacaant tattaataca 60
aatagtactg tatatgagag tacacattag gaatgctgtg ctttaatgca taaacatgtt 120
tacagtggtc cacatgtgcc aggagatgtg ggaatggcta cccctgaagt catatggaga 180
aatggggtcc tcatcgcaca ccatacacaa acatcatctc acaaatggat taaagacact 240
taagacctga aaccaaaaaa actcctagga gaaaacacag gggaaagctc catgacatca 300
gtttcggcga tgatttttt ttggacatga cactaaaaga acaagcaaca aaactaaaag 360
taaacaggtg ggattacatt gaagtaaaaa gtttctgcac aacaaaggaa acaaccaaca 420
aaatgaaaaa cgaacctgtg aatgggagaa aatacttgca aactgtatat ccagtaaggg 480
gttaatatcc aaatacataa ggaactcata caactcagtg gcaaaaacca aatacccatt 540
gaaaaatggc naagagccat agtagacatt ttttcagaga agctnttcag atgggccaca 600
ggtatatgca gangnctnag catcnccatc ccagagaaat gcngtcccca cagtgagctg 660
tcactggtt 669

<210> 2015
<211> 689
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(689)
<223> n = A,T,C or G

<400> 2015
cnncacnatg agntgtgngt ntntgcgntg cnattcacct cntatncccn tacgtgtngt 60
nntanccagn actctnnaan tgacctggtg atnaagngac ggctgnccnc tgtgcnaatg 120
ttgngggnca anggagcnat ttatnatcan ttttntaaac ctggtgnaat cantntgcgn 180

attgtggata ccacccaant cccatgtntt nanggaaagg nanntctctn tcccantcca 240
aaatggcctn nggttggang gncatgnanc ctacgcctnt aananccaga aattngtngg 300
ccctgcatgc antgtgncaa nangaccngt gctngnaccn ttnagcccac ntgntanncc 360
nantctacta acgcttggag nncacccggn ccatggtngg cagtgnctgg gnaananatt 420
ctactnaggg angctgccgn gctnaaaang gggcttttac ccccnagacg ggaaattgtn 480
gggaannga ggagnnnnan naattgnngc ttcctggctt ggggcaacca nganntggaa 540
aacttttnnt tcnaatcccn ctccttttag nnaaaaaaaa ttngnnataa aacccnccca 600
naaataaaaa annttccna attttttngt tcccngggca aaannantnn nttttatttt 660
ntgnatcaaa agnaaanttt tnctgncct 689

<210> 2016
<211> 670
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(670)
<223> n = A,T,C or G

<400> 2016
ttntcgattc gcacgagggn acccacagct ctcatcagaa gcagacacag atacttttg 60
taggaaaaca tctctaactt aagcctgtag gattcccaaa gattaaaagc aggcaaatat 120
gaattcagtc aaatcatagc attcaagtag tctcaaccca acatatttga gaattgttag 180
aaacaatgaa tatgtttccc aaagactagg ttttggaatt atcagataca gaacacagac 240
ttcaaatatt agaattgtga gaaaatagtt acatgtcaaa cctaatataa aagaaagatg 300
gactcattaa attgagcaac agaaaggcca ccaggaatga ggaggaggac ctgaaaagaa 360
aatggatgaa ctagaactta cagaaataaa atatatagct gggtctggtg gctcacacct 420
gtaatcccag cactgtttgg gaggccgagg tgggaggatg gtatgagccc aggagttggg 480
gagacaagcc tgggcaacat ggtgagaact cgtttctgta aaaaataccc cacaccccca 540
aaaaaaaaaa aaagtccttg ggtttggggc ncgtntntgt ancccacntn gncnggnggn 600
tgnggngggn ggatccnttg nctaggggggc aagggctnga ttggccttcc cctggaaccn 660
ancctggggg 670

<210> 2017
<211> 718
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(718)
<223> n = A,T,C or G

<400> 2017
ttttcgattc ggcgcgagac ncacngagag agagcncgag agagagagag agagagagag 60
agagagagag agagagagag agagagagag aganaganag agagagagag agnnanagng 120
agagagngan agagagagag agagagagag agtctctctc tcttncgnct ctngctntct 180
gtcttnnctc ccccccanat agagnnnnct cctcgttcct gggggngtcn tcnctctcta 240
ccntctttgc gncggatctt tntctnatac cgggnctnct gtcccnctnt gtnagntcan 300
ccnctctntg tgnccccctc tctnnacgca ctctcactct gtntttgtga gnnntaaaga 360
tcnatcttgt gtgggtgngn gtnccctttt tgctnncctt cttttnttna anntgccttc 420
nctnnaccct ttctcncttt tanatgccac tctctntncc tgngcncctc cccnnanggc 480
gggganatat atatgngtcc cnccnnccgn gcntgaaaca cnngnctctc tcctntgggg 540
ncnggcaagg tcccctcttc tnttntctng gccccccccn gaaaangggc ttccgggccg 600
cccnctttgg cagccccccc ttnccccccc angacccttg gcttcgtgaa gtggcgtntt 660
gggtncaggg angccccccc cncncntntt tccnntctta agggcttgga gattcccg 718

<210> 2018
<211> 683
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(683)
<223> n = A,T,C or G

<400> 2018
gtttcgantc gtgcgaggaa accctatgtg tgtgataggt gtgggaaggc cttcaggaac 60
agctcaggcc tcacagtgca taaaaggatc cacacaggtg agaaacccta tgaatgtgat 120
gagtgtggga aggcatacat ctcacactca agtcttatca atcataaaag tgtccaccag 180
gggaagcagc cctataattg tgagtgtggg aaatccttca attatagatc agtccttgac 240
cagcacaaaa ggatccacac tggaaagaag ccataccgat gtaatgagtg tggtaaggct 300
tttaatatca gatcaaatct caccaagcat aaaagaaccc atactggaga ggaatcttta 360
aatgtgatat atgtgggaag ttatagtggc acatcccaga agagaaccta tgagggaggg 420
aatgccctgg atgggggcag gatgaggatg cctctgtagc aggcagagct taccaagtct 480
ntccgaactc aaatggaaga aataccttat gaatgtaang aatgtanggg gtcatggctt 540
gtaatttacc cagngtnaat gaaaccatcc tagaggatta ttgagggaat cctttctatg 600
tgantttca atcatancaa ngcaagaaag gcttcccntg ttcaaggtan ttcancctnt 660
tacagggata ttaaaccagc ccg 683

<210> 2019
<211> 1120
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1120)
<223> n = A,T,C or G

<400> 2019
gcattgcata tggtactcaa gttgtgttgc gtatnagctc acaggagngc nagttcngga 60
ttttatacat ctttttttt tttttgnaaa gggaaannnn ctntgncccc caggnngnag 120
ngnngggccn caannangca tnanngaaan ncccgncgnn annaaatatn ncccnttctt 180
tggcctaacc cnccnnnnna ncgggaanaa nnnggcnncc aaccaataaa ngaccnggga 240
naatttattt gnnttntnna annannnann aanacntntn nccaccnatn cnnnnctccn 300
cangaactcn ccnntaacnt ncttaantnn cntccnntta nnnanctnan nnngcatcna 360
aacatcncnt cnnncacana cccnaancaa taaacnnana gtggttnnna naactagggg 420
ancangcncn nncnagancn taaannnnaa ttnacttcac annatcatct atntatctat 480
aacacanang ctancnntat tnncnntctc tntncgcanc nncacanctn acacatagcg 540
cnatnctcag cncatcnnat anngtnnagt acttcacnga agancgcgnc ctcnacanag 600
tatagaganc atngntngag angacaanan ancncgatna taacagtana tcntntngta 660
cancgnagnc cncggcatat atcncaccga tcnnnngcnc acnnancana tncacnccgg 720
tnagnataca aanccanaaa cntcgtnncn cnctanctca annnntaaan tgcncnatcn 780
cngngtccac cncacantnc gtcgtntcgc ancatntnna cacgtntagc gatcntgcgc 840
acatatcacc gcaanncgan acatactatn gatcgcacnc nnaacnggnn tnntcancga 900
cacanctacc atncancann cgttnaagna ctancanana nagatggntn tacncatcgn 960
ancncactgc agntcatana gnganatata tacttttata cnactctcnt gantncagan 1020
cacatntgca cacacanang tacatatacn nactagnaca cgacatantn tntatanata 1080
anncanacnc actgtacaca cactganata tcgcataanc 1120

<210> 2020
<211> 1361
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1361)
<223> n = A,T,C or G

<400> 2020
cantaanann atannncgtt ncnnacttac caacnncgta cttacgaatn tnctaagntc 60
tnacaaaaac ncgnacttgc agtcnnnctc tntctcanan aaaataanct tactccncga 120
actntatcng cntctaacgn catctcntca tatcacncat ntctcaaatc taancatagc 180
tgctnantca nttacatntc ntnatnntta gtnnnatatn ntncatcact cnnctcancn 240
ngtnntcnca ntntncgnan ntcggccacn nangtnnaat ccctnatggn acncccaccc 300
agctncctcn ntacttnatc gtgcancntc anntaaantc attgaangat ntattctaca 360
nacntanttt anccnccaat nacnaaaagg ggnatttnna aantatcaca cnttaacnca 420
tnnanctacn tnananccct anaanatant tcactcnctn tcnttcaatn cnncntcaac 480
acttaatntc ntannnacan tnntanntcg aacctnanct nnnntctgac tgtnntanan 540
tnnncattan aaanncnncn naannantaa ntnannantt ctaanctntt cnaaannnta 600
tnnnnatncc ttnctttttnt ntatntnnaa cnnnttacnt tatattnttt tcaantcaca 660
atnancaaca catattatna nnactnttaa nncntnnact acaatctana acntnatana 720
tanannacat nanattaata cccnnnatga cncgttttnn anattatnnn tatnannann 780
ctcnattnac cnanagtcna anantcnatc tncnacttnc ggagcnnaga ataaccntaa 840
tcnntctctn tantcnnnta tnnncacatc catcnangta gtancacnct acaancctct 900
naacangcac angtaacgcn ctatatntca taannтcata actnntcact acaccntnca 960
natctnactn cgntatnaat ananctgact atatctctnc anatnganta ctngancact 1020
ntnatncnnt naccctcact nngatntncg cntacacgcn cntagannca acacattcng 1080
atanactcac ngntntncnt agcnatctca catatctcat ctnaccncnc atcanncncn 1140
aatncancnt nncnnanatn nctatctnat atntacaann cntttatnac tcacgtcncn 1200
caaanagatc nacatttaan nncatnanca ntatcntaca canatacatc nnattncncn 1260
tccntacacn ttgggatata ttnatctcca cgtnaganac atcgccatat ctncgaatca 1320
nntnncntca tatctnatna cntacaccnn tctnagnann c 1361

<210> 2021
<211> 845
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(845)
<223> n = A,T,C or G

<400> 2021
atatcctttn aactcnngtc tttttgcagg atcnnnnnnn tcgaattcgg nacgaggatg 60
cacgggcact nnggnggntt tngcggccac tctgagtnag ancatccagn tggcggtgga 120
actgaaggnt tccatgnggg acctctattc cttctcagct ntcatgaaag ccctggaaat 180
gccacanatc acaaggttag aaaagacgtg gnctgctctg cggaaccagt acacccaaac 240
tgccnttctc tatgagaaac agntgaagcc cttcagcaaa ctcctgcatg aaggcagaga 300
gtccacatgt gttcccccaa caatgtatca ntcccactgc tgatgccgct tgtgacgtta 360
atggaccgcc aggctgtgac ttttgaagga accgacatgg tgggaaaaaa acgaccagag 420
ctgtgaaatc atgcttgaac catttggcna cagcgccnat tcatggccga ggctgcaaga 480
cagctccgga tgaatgctga gaggatctgg canggtttca acccagatga angaaatgaa 540
tgaaaanttg caagacntga atttnaaatn ccaattgctt tgggggcnag ccaaaaggtg 600
ccccaaantc caattcaana cnncagagga ttttgaggaa acntcaaccn agatttttaa 660
ctggcccctt ttcgccgtta aaatngggaa ncctcccccc ctgntaaaag caaggccaga 720
acttttttan tnactcttcc annaaaaacc ccnttnanaa tattcntttt naaagnnttc 780
ccccnccttt aattntttтn gggaaaacct tacntgtttt ttggataaaa anaatnatgt 840
nccaa 845

<210> 2022
<211> 805
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(805)
<223> n = A,T,C or G

<400> 2022
tatccttcaa ctcttgtctt tttgcaggat ccnnnnnntc tnttcnnncn agggcagact 60
tctcatccgt aaaatnagga agataacatg attccaaggn cgtnntttng gnttaaagga 120
agtcatgctc ctaatttact gcctggcaca cagncagtaa aangctcaat ncattnatgg 180
aaggaatgaa ggnctctggc agaaaancag gtcanatgtg tctgntgtgg acaggtggct 240
ctgtcggtgc ccggtgagtg ccctgggagt ctgcagtcac ctcctccgca gccgtgtccc 300
caggctcaca ggagccacct caggtgggaa gctctctgcc agccttggga agaccagact 360
cacagctcca agccacgtgt gagcanggag tgcttgcatc ccanaaagtg tctgcctcag 420
caggctggag attgggatcc ccctatgaaa tgggtgggtg tgtgggcact aaaaaaggaa 480
gattggctct gtttcaanaa acttttaaaa ttcactgtac tggtttttat tattaccaaa 540
gtaatgtatg ctgattatag aaattttacc ccnnnccccnc ntnccnnncc ncnnncnnnn 600
nnccnncncn nnctcnnccn nnnnnntnnn nncnccnnnn ccccnnnnna aaancccccnc 660
ccccttaaaa aatttgggggg ggccttttnc tcncnnccccc ccccctnnaa acncnccntn 720
tngggnnntn gggccccccc cccctcttga anccgcnggg aaaaanantt ttttttttnn 780
aaaaannncg ngnacccnnn tcttn 805

<210> 2023
<211> 1335
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1335)
<223> n = A,T,C or G

<400> 2023
aggggnggng gngaccntng ggngnnnagc gggggccnnc aaanccanan cnatngggat 60
ctgggcccac tcncnnnnnc gatcncttat ncgnngangt aggaanancg gnagtnaaac 120
nccgccccaa cgagaganga cgggggggggg nttntttcta tgtctnncga acgcnnngnc 180
ncccnccnta tctnccgcct ccntancaca catatgtaga nncactantn cntactacan 240
cncgccncat nnnngcatgn nngnganctn cgancnngnc acacannggg gntngagtac 300
ncanncggga ngataagngc acnantngng ccatgnncnn aaaaccggac ntggcgcncc 360
canngacacc ggagagtngg cctgncaacn gncgnacana gngttgctnt nnangccccg 420
canacnctta nagcacngca ccnagaggng angcgggaac acaaacgngn acccgnngan 480
cgggagcgga tnganngaaa nctcgggaaa agganggnan caatncnaan cagngtagng 540
nggcnccnnn cnccnancnc ngtangnacc tgannnccgt accactncnc gccatgtgaa 600
aacgtnngag tnnnaagacn acggnngcgg anangnatcn actccgcccc gntnnacgcg 660
cgacgcacnn agactcgann ccgcgcaatg gncgcangnn aanncncctg cgnngntaga 720
catgagcgaa tgannncacg ggcagataca cangntngcn cccgggatat ngcaccccca 780
nccnatnnnc ctnnncgccg cacganntan cccnnncggc gantcaagat gcnctatccn 840
caacnaangg nccnncnanc atngantnna ananagagnc ngtatatctn ctnagggaaa 900
gcaanatnca cacaagacgn ancgnntgac tgccaccacc gtgngacaca nnnntncgat 960
ancgctnatn ccnntacntg nnganttngc ntncatntgc gcggaancnc gactnntaat 1020
gaancncngc cgcngcnnat ancncacgga accgcaatac ggnnncgcgt acngngacga 1080
gagacgccga natannaccg ccgaatggtn annacccant ngntgncnac tnnaggnncn 1140
acccncnacn gtggtgnnct cgcannaaga tnncgtntcg cccnntncnc nnccnncccn 1200
tgagnatgcg ancgncccac ggaccccgcc nacganacan ncgnnccncc ntcaaaaacn 1260

cgncngcgcn nnccacnncg cncgngnngt gnanangtac agcntttacc gcggaagcng 1320
gnnntntntn agagn 1335

<210> 2024
<211> 877
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(877)
<223> n = A,T,C or G

<400> 2024
ttancctttn aactcctgtc tttttgcagg atnnnntnnn ntnganttnn nncgagccta 60
agcaggcntc tgcagcnttt tntttccaga aaagaaattc tcaaactaat ntnaactgag 120
gaagtgaaag aagaaantct taaaantgtn ttatctgaan ccccanctat atgtcctcct 180
caaancnctg aaaaccaaag gccaaagacc gggttccagn tgtggttaga agaaaatnga 240
agtaatattt tgtctgacan tcctgacttt tcagatgaag canacataat aaaagaagga 300
atgattcgat ttagagtatt gtccaactgg aagaaaggaa aggtgtnggg gcttaaccaa 360
agcccaaagg gagaaaacgg cnaaggtnga aagggaacct ggaagccaaa agnaagccga 420
aaaaccgtgg tnggttggat ggaaaaggtg gatggaaaac acnaaaaacc cngggnaaag 480
aaaaaangcc aaaaggagaa ccctggaatt ttggttctta aaaagccaag aaaacccttt 540
aagatttttt cttaccaaat tcanaaaacc tatccagctt tttgcctttt taaagcaggg 600
agttaaangg aagaaagtga cccctagggg aagtcatngg attttttttt tactcnnctt 660
tttgaatata gactcgagtc tttggggaaa cntcntcttt tatatttctn ttaaagaagt 720
ttggaagccn cctgtttggc ctttataaga ntaangnagt aattatattg gnngtaggnt 780
acnnggcntn ttgttnaaac ctntcatttt tgcanaattc ttctgcctcc aaattgcngg 840
gncttncana gatgcnttgg ggattgcant tnctgnn 877

<210> 2025
<211> 708
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(708)
<223> n = A,T,C or G

<400> 2025
nttcntnggc tgcttattac gctcactatt atcaacagca agcacagcca ccaccagcag 60
cccctgcagg tgcaccaact acaactcaaa ctaatggaca aggagatcag cagaatccag 120
ccccagctgg acaggttgat tataccaagg cttgggaaga gtactacaag aaaatgggtc 180
aggcagttcc tgctccgact ggggctcctc caggtggtca gccagattat agtgcagcct 240
gggctgagta ttatagacaa caagcagcct attatgccca gacaagtccc cagggaatgc 300
cacagcatcc tccagcacct cagggccaat aataagaagt ggacaataca gtatttgctt 360
cattgtgtgg gggaaaaaaa cctttgttaa atatatggat gcagacgact tgatgaagat 420
cttaattttg tttttggttt aaaatagtgt ttccttttct ttttttttnn aaagngnaca 480
aaatttttnat cnntcnngtn ggggggttaa tttttttgng naaaaannaa aaatgggttn 540
gtttttantt ttanaggggg aaaangcncn ctttccnccc aaatgggttt tngcnaattt 600
antgggggng gnnncgcntt tgggnaaaaa aaaaaggncc nnttttttaaa aggggnaaac 660
nttccccntt ttaaaaaaan gcccgnnttt tgggngnttt aaaaaaaa 708

<210> 2026
<211> 673
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(673)
<223> n = A,T,C or G

<400> 2026
gtttcnctga ctnttacctt caagtatgga aatnncagtg cttcaggaat agaaatcttg 60
gcaatcgaaa ggtatttgat tccaaatgca ggggatgcaa ctaaagccat aaaacagcag 120
atcatgaaag ttttggatgc tttggaaagt taatataaaa gaaaattata taaaaagaaa 180
ttaagacaac caagagaaac atggacatat acctcctgac tgaatactaa ctggagacct 240
ttcatttgct catggggctg cttaaatagc aggtctaaga aagtgtaaat tattataatc 300
aatctgtgga cagtaaactt tttaaaaatt tttcttctgc attttggttt tataaaatga 360
tgtattataa aggtcagtta ttaaattact ttgaagtaac tgaccctgtg cccttatgga 420
ctaagtaagg gtacagaatg cagttctgtt ttgaagagct gttttaaggg aacatgcatc 480
actttcgggt tcaaaaacaa ctgtacacat acatatctgc agtgtcttca ctgaaaatta 540
gagatagaat tagttgaaga gacttcctta attgctacat tgttttactc actgagcaat 600
atcagaaact aaaaacatag attaataatt cactcactgg ttctattctt cttaaaaaga 660
gtgaaatctt tta 673

<210> 2027
<211> 678
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(678)
<223> n = A,T,C or G

<400> 2027
ttttcgaatt cggcgcgang anngctccac gtgtagctga gctgcatgca ccaggcctca 60
gtttgcccca agtcccctgt gtactctctc atggcctgtg gccaagaaat gtattctctc 120
actttggact taggagtcca aagagaagcc cagaaacaaa attgcttgaa cttgaatttg 180
tgtgcgtgcg cacgtgtgca cgtggtggtg aaggtgtatg ttttcggctg ttctatgcgt 240
cactgtcacc aaactcccaa ataatagtaa catttgttta gatgatgtct gctgacaaat 300
cacaaacacg acgctaactc gcaactctct gctccactgg cacagaatag ggcatggagc 360
ctggtgctgg gtgtcagccc atggtgttgg gtgtcagttc acaggctggg taagggaggg 420
aaaataatcc attctttgat attagacatg acccaaaatt tcctgctggc agccaaaggc 480
ctcctcgctc agagaagtca tctgaaaaaa gctagcccag gggcaggaaa gggcctcang 540
ctggcgcccc aaaaaggngg cccatcagtc actctgggaa gacagataga catcgtcagg 600
tctcttttta caagtcaaga cagtaaaatc aaaagtaata gtttctggca ggaanaaana 660
aaattgctgg anccgttg 678

<210> 2028
<211> 698
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(698)
<223> n = A,T,C or G

<400> 2028
nntttcgant cggcacgagn cagtcaggcg atgnctgnct cattgccttg gttctcacct 60
cagagactag tgtttcacca ttaagtgtga tatagcttag tnttttataa atacttggga 120
gtgaattttt aactgggtca tagaggattg ttggatttca gcaagtagaa atcagtggaa 180
attagttctc cagacacagg gaagagacac tagtagtaaa acaaatggtc tcctttggct 240

atagattaaa gggagatagt ggaacacaca catttgtcat gataaccctg gctcaaagat 300
agaagattaa aaaaagttat gatggggcca aatcatggag ataagacagt tgggaataac 360
tcttctttca gcgctaggag gagaatggag ccaacatcaa cagaattaga gaagtcatca 420
agaaaagtta gttatgtgaa ggaatgcctc ttgtggcaat tttttaaaaa ttgcatttta 480
tgatttggaa ctcaccgtct taaaataatt ggctcttaga aatggtgtac tgctacttaa 540
ccagaaaatt caggggcaaa aggggtaaat ggtggggtat catttacatg gttgggaggg 600
acatgtatga anaagtttgg aagaaaatgt tttggantaa agaataaatt taaattctgc 660
taccttgggg tctggggaca tttgggaaaa tttggttt 698

<210> 2029
<211> 802
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(802)
<223> n = A,T,C or G

<400> 2029
ccnttgagna ctangggnct tnngaannnn ccantcanca tgaaactntn tggcttgcaa 60
gacagggcaa tagaggggac cgtcacggag ncaggccctt ccacactntg gcgtgcagna 120
ntgaagcacg gncacnggcc ctgcctacac agagccaacc tntgntccna cacccctcca 180
ctgtaaaatg agaataagca ctcaggatgg tttgtgagga ttcactaaca gactgagaag 240
aaatggtnac ctaggctggc acatgggaca ctccccantt nntctttttt attttcctta 300
agcccagnnt naanccccttc tncntccttn ggtttcntga cangccattt cnntttaaat 360
tttcactttc anaantttttt aaaatnnnnc naaatttntt tnancatntn aatggattna 420
taaaaangtn naaatttttc atagtattaa antnntnntt tcggncccnt ntantttttnt 480
aaacaaaana atttctccnt ttnnttcnta aaataacccn ntttttcata ttnnccccntt 540
ngccttttttt tnantttttc ttcnnnnnan ntntanccnt tgnttaactt attnttttttn 600
nttccccnan ntttataagt ttttgtnttt ntgtcgtact cncntnnatn attcntngtn 660
ttagtcantt ttcnttttan cttnantgnt cttnctnttt ccccnnattt cttttnttnn 720
attnntanna aanncatatt tnntanntnt atncctctcn ctccctttaa ttaatcnact 780
cnccnncctn cntntttagt nc 802

<210> 2030
<211> 822
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(822)
<223> n = A,T,C or G

<400> 2030
ngtgacattg aaggntcngc caangaaaac aagttattaa tacaaatacg tactgaatat 60
gacagtacgc attaggaatg ctgtgntnna atgcataaac atgtttacag tggtccacat 120
gtgccaggag atgtgggaat ggctacccnt gaaaaatgct acttaaatgg ggtcctcatc 180
gcacaccata cacanacatc atctcacaaa tggattaaag acacttaaga cctgaaacca 240
aaaaaactcc taggagaaaa nacaggggaa agctccatga catcnagttt ccgncnagga 300
ttttttttttt ngacnntnac ncctatngaa anaannatnc catacntatt ntncngnncn 360
aatccnatnn ncnggaaang ccttttataa gcaatttngc ccnttttttng aactntatgc 420
ataactttgn ncnaancntt cggacaaaan tggttaantn gttnctccaa ntntaaaccc 480
cctcttattg gaantggtnc ccaccaaaaa atccctngga aaacccnctt naataaaacc 540
tgganngtnc cccangnccc aaaggccaca annggggcgt caanggccct tgnaaantcc 600
cnaaaccana ttttnggaaa ggnnttgann gtccggnnnn gnanntgncc cggaaaantc 660
ggngannngt tannnaaacc cnncnctnnt ccnaanantn ggggnnaaan ccccccgtct 720

ttttatntaa aaaattacca aaactcnatt taggcttggg ggngggggggg caanntngcc 780
ctgnggggtc cccaaatcna cntggggaag ggntnnaaac cg 822

<210> 2031
<211> 674
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(674)
<223> n = A,T,C or G

<400> 2031
nctttcggga tctgcacgan ntttnnntca tctggttttt gcatgtttga tgtgtttgtg 60
tgtgtgtgcc gtttacagtt ttaactgata ttaagtgaag atagattaat gtcacccagg 120
ttttacaaaa tcaaagaaat agaaataatt ttaaagactt ttggtacttg aattactttg 180
ttgttttctg gtcatttagt acatttatgg aacctcagaa ggtttgagtt gaacagaggc 240
aagttacagc agtttttttgg gtgggagaat tcataagtca gcatgtgaat cttttgatct 300
catatatttg gagtggaatg tcattaattg tgtttgtcac ggttaaggaa tagagaatta 360
atctccatcc cagtcttgct attcttctga aagcctttag ctgccgacac catgggcata 420
aggaggtatc tcttctggct tctctttggg tgtggtagct aagttacagc ttaccttgga 480
aagatgagca gcttgtaagc aacaaaaaaa cagtatagtt aacaaatgca tcgtcaacaa 540
acaaaacaac ccaatcaaaa aatggacaac agctttgaat agacattctn caaaacaaat 600
atacaaatgg ccaataagca tgtaaaaaga tgctcacatc attaatcatt agggaaatgc 660
caattaaaat cccg 674

<210> 2032
<211> 698
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(698)
<223> n = A,T,C or G

<400> 2032
tntttcgaac tatgttagtt gtncccacag gtgcaggccc tggtgcttga tggtccgagg 60
ccatctcctg ggccgcctgg cggccatcgt ggctaaacag gtactgctgg gccggaaggt 120
ggtggtcgta cgctgtgaag gcatcaacat ttctgggaat ttctacagaa acaagttgaa 180
gtacctggct ttcctccgca agcggatgaa caccaaccct tcccgaggcc cctaccactt 240
ccgggccccc agccgcatct tctggcggac cgtgcgaggt atgctgcccc acaaaaccaa 300
gcgaggccag gccgctctgg accgtctcaa ggtgtttgac ggcatcccac cgccctacga 360
caagaaaaag cggatggtgg ttcctgctgc cctcaaggtc gtgcgtctga agcctacaag 420
aaagtttgcc tatctggggc gcctggctca cgaggttngc tggaagtacc aggcagtgac 480
agccaccctg gaggagaaga ggaaagagaa agccaagatc cactacccgg aagaagaaac 540
agcttatgan gctacggaaa caggccgaaa aanaacgtgg agaanaaaaa tttgacaaaa 600
taccacagaa ggtncttcaa gaanccacgg gacttccttg gtnttggagc ccaataaaag 660
aattgtttaa tttcttcaaa aaaaaaaaaa aaaaaaat 698

<210> 2033
<211> 673
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(673)
<223> n = A,T,C or G

<400> 2033
ttttcgattc ggcacgagct taatgttttt caattgctca acgaactgtc agccctgtca 60
gatatcatat atctggtaaa attacccctt aggaatgagg gggaaataaa tacatactag 120
atgaaggaaa actaagagag tttgttgcta gcagacctac cctaaaagaa ggctaaagaa 180
agttcctggc tgggtgcagt ggctcacgac tgtaatccca acactttggg agactgaggc 240
ctgccaagct gaggccaggt ggacagcttg aagcctggag ttcaagataa ccctgggcaa 300
taaagggagg cctcattctc tatttaaaaa aagaaagtcc tgaaacataa aggaaatcat 360
aaaagaagga atcttggaat attaggaaag aaggacaaca ggaaagagca aaaatgtgac 420
caaatacaag accgggtatg ttgactcaca cccgtaatcc caacacttag ggaggttgaa 480
gcctgttctc aagaccagtc tgggcaacat ggcgagactc ttgtctctac aaaaaataaa 540
ttanccangc gtggtgtcgt gtgcctgtag tcctagttac taaaggagcc taaggcagca 600
agattgnctt gcccaggaat ttgaggtatt gngagccatg atcaatggca ctgcactncc 660
cctgggtgga gnn 673

<210> 2034
<211> 677
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(677)
<223> n = A,T,C or G

<400> 2034
ttatccactc tcaccagcat aatgggaccc agcatccctg ccaaaactcg ggaggtgctc 60
gtcagccacc tggcatctta caacacatgg gctttacaag gcatgtatgg agtttcttgt 120
gggcttggca ggtggctgtg aaggccatca gtgtctgaag cctgtacttg cccctcccca 180
ggtcctgtga gtggagaggc acagagtgtt ctgggctagc tgagtgtgga ggctgggtgg 240
ctctgatgct agccaatcac tctacgctct aggctcacac ctttccacct tcgacttcgc 300
cagcagaagt cttgagttca atctcattgc cctggcttgg gtcacatgtc catccatgaa 360
ccaatcacta gactgggtgc ggaaagctct gatttgccaa gttcgggtca tgtgtctcac 420
taggtaagag cagaggagga tcacccccag ggaagaccag agtgctcttt caagaagagt 480
gggacaatcg ctggatggct ctttgcacca ctcactcctg ttctctgcta agggcttgct 540
gggactcaca aaggggtaag gttgtggcaa ctgccctgtt ttggggttct tgactttggc 600
ttgtgtccct gcagggaatg aagtttgtan ctgcccactc aanntccatg gngctaacct 660
tgggcctgaa tganctg 677

<210> 2035
<211> 670
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(670)
<223> n = A,T,C or G

<400> 2035
ttatcaattc agcncgagga ctctttnntc ctttgcattt tctttctcag tctgatctgc 60
ttcctgactt cctggaaacc ctccaaattt cttgatttct aatggcactc tttctagatt 120
tctagccctg tacgataata ttctttcatc atttcagtgg gcttttggag ggaggcggag 180
atccaggtga tctgtctaca ctattcagtc agaaagctgg atggtttttc tcactgttta 240
gctgtgactc atacttagaa agtggtttaa atgtgaatat cttagttctg gttgtacaat 300
tgaggtaatc ctcaattcag gttgctgtct ggacatttca tgactggatt taaaaatatt 360

tttaaggcca ggtgcggtgg ctcatgcctg taatgccggc actttgggag gccgaggcgg 420
gtggatcacc tggggtcggg agttcaaggc catcctggcc aacatgctga aaccccgtct 480
ctactaaaaa tacaaagact atccgggcgt ggtggcgggt gcctgtaatc ccactactgt 540
ggaggcagga tggatcactt gaatcccgga ngtgggggtt gcaatgagcc canaaccgtg 600
ctgctgcctt catnctangt gactgagcac tacttcattc taaaaaaaaa aaaaaaaact 660
cggcctttta 670

<210> 2036
<211> 682
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(682)
<223> n = A,T,C or G

<400> 2036
ttttcatgga atttactttt cttctagact ttcttttgca atggaacgtt gctttgtgtg 60
tgatttggtg gaataacaac caatacacaa tgagcagtct aatgtgtagt catttggtgc 120
tctgtgttca agtgtgaaat ctctatcagt gcccaatagt aagccagggt ctgcttttca 180
tatagaaaat ggttgctgac agaagaagat gtggccgtac tccagggtgg ttctctatgg 240
aggcttgtga gagtctctat acagcatcca tgactgccac cggcacttcc aataccatta 300
gttatcctgg taataagagt ctcactcaaa agtagcaacc ttacaagtta attaaattgg 360
tcatttcagc tcattgagct gtggtatctg tcacctcaaa aatgcagagg cgctccaagt 420
cttgcacctc cttgcaatgg taacatttgg gtagagctat aaatgaagtg agaaaacaag 480
cccnnnnaan gaaaaaaana naaannangg gaaaaaaaaa aaannanaan nncccccccc 540
nttaaaantt nngggggggg gtttttccng aaacccncnt tnnaaaaaac cctttgggng 600
nanntgggcc anaccccncc ntaaaaanan nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 660
nnnnnnnnnn nntnnnnnnn nc 682

<210> 2037
<211> 670
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(670)
<223> n = A,T,C or G

<400> 2037
ntatcattcg acgagggcaa aggaactaaa gaagcctaat gaagacatgt gcttagcaga 60
ccaaaagcct ttgccagagt tgcctcgtat tccaggactt gttctctctg gaagtacatt 120
ttcagactgt ctcatggtgg tgcagttctt acgaaacttt ggtaaagttt tgggctttga 180
tgtgaatatt gatgttccaa acctgagtgt tcttcaagag ggattgctaa atatagggga 240
cagcatgggt gaagtacaag acttgcttgt gaggctcctc tcagctgctg tatgtgatcc 300
aggtctaata acaggataca aggctaaaac agctcttgga gaacatttgc tgaatgttgg 360
tgtgaatcga gacaatgttt ccgagatttt acagatattt atggaagccc actgtggaca 420
aactgagctt actgaaagtc tgaagaccaa agcttttcag gctcacactc cagcacagaa 480
agcttcagtc ctggctttcc tgatcaatga actggcatgc agcaagagtg tggtcagtga 540
aatcgacaag aacattgatt atatgtcaaa cttgaggaga gataaatggg tggtagaagg 600
aaactncgca agctcagaat cattcatgct aaaaaaacag caaaaaaaca cttcaggtgg 660
cattgatctt 670

<210> 2038
<211> 677
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(677)
<223> n = A,T,C or G

<400> 2038
gttcattcgc acgaggggt ttcaagaacg tgcctcttgg gaaggacgtc cgctacttgc 60
acttcctgga aggcacccgg gactatgagt ggctggaagc actgcttatg aatcagacgg 120
tgatgtcaaa aaacctttc tggttcaggc acagacccca ggaagctttt cgggaagccc 180
tgcacatgga caggtacctg ttgctgcacc cagactttct ccgatacatg aagaacaggt 240
ttctgaggtc taagaccctg gatggtgccc actggaggat ataccgcccc accactgggg 300
ccctcctgct gctcactgcc cttcagctct gtgaccaggt gagtgcttat ggcttcatca 360
ctgagggcca tgagcgcttt tctgatcact actatgatac atcatggaag cggctgatct 420
tttacataaa ccatgacttc aagctggaga gagaagtctg gaagcggcta cacgatgaag 480
ggataatccg gctgtaccag cgtcctggtc ccggaactgc caaagccaan aactgaccgg 540
ggccanggct gccatggnct tcttgcctgc tncaaggcac angatacaag tgggaatctt 600
tgagactntt ttggncattt nccatggntt anactaaact tcaagccctt taggaagttc 660
caagggaaca ctttgaa 677

<210> 2039
<211> 677
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(677)
<223> n = A,T,C or G

<400> 2039
aggtgagcct agggacccat ttctcctcct ttgacaggga catcagtgga gccttctcag 60
acccacaggg gtccttggtg aattttgtca tggttattta aggaaccttg cctagaagtc 120
ccaacttgca gttccccatc gacgggaagg cttggactcc aagatgatta taaaggaata 180
tcggattcct ctgccaatga ccgtggagga gtaccgcatc gcccagctgt acatgataca 240
gaagaagagc cgtaacgaga catatggcga aggcagcggc gtggagatcc tggagaaccg 300
gccgtacaca gatggcccag gcggctctgg gcagtacaca cacaaggtgt atcatgtggg 360
catgcacatt cccagctggt tccgctccat cctgcccaag gcagccctgc gggtggtgga 420
ggagtcttgg aatgcctacc cctacacccg aaccaggttc acctgtcctt tcgtggagaa 480
attctccatc gacattgaaa ccttttataa aactgatgct ggagaaaacc ccgacgtgtt 540
caacctctct tcctgtggaa aagaaccagc ttgacaatcg acttcatcga catttgtcaa 600
aagacccttg ttgccccaca accgaggtnt taagaacaga aagaaggacc cccaagcttg 660
ttncaagtnc aaccaaa 677

<210> 2040
<211> 686
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(686)
<223> n = A,T,C or G

<400> 2040
ttttcgattc ggcacgaggg gaaaacaaaa ggtaanngga ggggtgctgg gagaacaaat 60
aggaagaaaa gggaaaaccc agaaatagta attgttagta cccctgctac ttgactgttg 120

aaaatgcttt aaaagtttgt tctgaattan gagaaaaggc gctccctcaa ccaggctgaa 180
actaccacca gtgttgttgc cagaaacctg gagcaggaag gagctgcttc tcccctccgc 240
cttccagtca cccaccatta atacctgcta ttggcaaggc ccatctggat ggcagatggc 300
aaagcancct ggaaagtgga gtttaccaac ttctacctcc tacagtatat agtggagcac 360
agcnaantgg aaaaggaggc cgggcgcggt ggctcacacc tgtaatccca gcaatttggg 420
aggccgaggt gggcanatga cctgaggcca ggagttcaag accagcctgg tccaacatgg 480
tgaaaccctg tgtctactaa aaatacaaaa attaactnaa cgtggtggtg ggtgcctgta 540
atcccagcta ctctggaggc tgaggcagga gaattgcttg aacccgggag tttggaagtt 600
tgcaatngag cccaaggtca cgccactgna ctttcannct tgggcaacaa agccanggaa 660
ntncntctna aaaaaaaaaa aaaaaa 686

<210> 2041
<211> 710
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(710)
<223> n = A,T,C or G

<400> 2041
tnnccggntg acnttgccca tgatggtgcc tnccccctgat atctggagag atnataaaat 60
acattacagt tagagtcaac aatcaccact tgaagaaatn ncttnaacac aaagcctgat 120
aaaatttaca tctggtaaat gtctatttaa gctactgcga aacacatata cttaaaaaaa 180
aanggccttt tcattgnctc aatgtcttga aggctggaga ttgtaaagca cttccctaaa 240
gttcctatga gcaggatgag gctatttgcc tttatagagc tntagaacta ataagcaatc 300
aaaggggatt ttgaaaaaag cctataactt ccaaagtgat aaactgngga aanattcatt 360
ggacctgtcc canattanct gaagtatcca gatgctaaag ctnatgtgta naggccaant 420
acggnggctc atggctgnaa tcccncactt tggaaggccc gaggcggncg gatcaccctg 480
aggtcgggag gncganacca ctcttgacca acatggagaa aaccccgtnt ctactaaaaa 540
tncaaaattc tccanggcgt gggtggccgc atgcccttta aattctnnag cttcttnang 600
gagggcttga ggccaaggaa aaatttgctt tgaacccccg gaaanaaagg gaaggtttgc 660
cggtganccn taaaataagc cnccanttgg cncntcccaa ccctggggcc 710

<210> 2042
<211> 1022
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1022)
<223> n = A,T,C or G

<400> 2042
cntntcgaat tcggcacgag aattgatttg ctacntgccc tagnaatgat acacgtatgc 60
ctcagtattg ccaccaagnt accnctgtgt tcttntaana atgagncntn aaggggggna 120
nttttgaaan ngtaatanaa aataccnnna natgtncnan gntatnaaaa ngagtanann 180
cccnantaan acaaanantt gtatatnttt tcttnnntnt tncnnnntga nnnnncgnnt 240
aanttnnnna gcntncaact ntanngntgt nancnttcnt atanngntna tatnnattng 300
ntaatcnttc attttnanca acttatacaa nagntcantt acntatggan nnatnttant 360
nnnttnntta ttaancagnc ntanaanncn nnnnnnagnn nntnnatnnt atttntnctt 420
ggtntcngtc tctaatgtca tanngcttga tnnaccnatn attnnncnaa tttatgttna 480
tcttnttcat acnaatnttt tnnannnaca ngtcantaat ncattttcta ttngtncnaa 540
tanntcttca ctannatnca tnnantntnn ntacatntnn atntcngtgn nctcnctnta 600
ctnnntnatt tnangngnat nganaggaca ttatnntatt tnnnaattcn tncntntgtn 660
aacaacanga tataagtntn nttataanan tcccnatncn tagtntacga natgagatta 720

ttagctgtgn gntangatnt attntntant atanacncat ncaacnttct gctanntann 780
catcagtnta tncntnntnt catcgcgcta cctctntnnc cacaantanc nctatngtnn 840
nnntatntcg caatatatac atacncgttc aacatncacn gnctaannga antttcantc 900
ttcgantanc atnnnnaatt ntatctntcn cattttatca cgatacttct cnacnctgtc 960
atnnnnantn ttncaatatg ntntgctaca ntnganaacg ngntatnctg gtcacatcnn 1020
cg 1022

<210> 2043
<211> 681
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(681)
<223> n = A,T,C or G

<400> 2043
tnttttcgaa ttcggccgag aattgatggc agtgactgcc ttcggctttt tttctgctga 60
ctaagatctc ctatagagag ctacaacaat gcccaaaaga aaggctgcag gtcaaggtga 120
tatgaggcag gagccaaaga gaagatctgc caggttgtct gctatgcttg tgccagttac 180
accagaagtg aagcctaaaa gaacatcaag ttcaaggaaa atgaagacaa aaagtgatat 240
gatggaagaa aacatagata caagtgccca agcagttgct gaaaccaagc aagaagcagt 300
tgttgaagaa gactacaatg aaaatgctaa aaatggagaa gccaaaatta cagaggcacc 360
agcttctgaa aaagaaattg tggaagtaaa agaagaaaat attgaagatg ccacagaaaa 420
gggaggagaa aagaaagaag cagtggcagc agaagtaaaa aatgaagaag aagatcagaa 480
agaagatgaa gaagatcaaa acgaagagaa aggggaactg gaaaagaaga caaagatgaa 540
aaaggggaag aagatggaaa agaggataaa aatggaaatg agaaaggaga agatgccaaa 600
gagaaagaag atggaaaaaa aggtgaagac ggaaaaggaa atggagaaga tggaaagaga 660
aggngaagat gaaaagaggn t 681

<210> 2044
<211> 649
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(649)
<223> n = A,T,C or G

<400> 2044
ngagaactan ggnantgana nnnnnnantn nantgncctn tcngnatgcn nnacagggca 60
gagaggggac gtcagcccca ggcccctcca cacctcatgt gcagttctac agcacgggca 120
caggcactgc ctacacagag ccaacctctg agcccagacc cctccactgt aaaatgagaa 180
taagcactca ggatggttgt gaggattcac taacagactg agaagaaatg gtgacctagg 240
ctggcacatg ggacactccc caagatgctc ctttttcatt tccctcaagc ccagagtaaa 300
ccccttcgac ctccttgggt ttcgtgacag gccattccag tttaatttca cttcagatct 360
tgaaatgtcc aaattcttca cctggaggat agaaaggaaa tctcaggata agtttgttgg 420
cctcatttga agaaaagtac cttatagaag agccataaga atgacgtggc tttcattcac 480
tcagcagata cattgggacc atctcttgtg cccaccttga gcttggttan gggtacanga 540
natggggtcn ggcacnctgg gaactaanga ggtctgaacc cacctggggg atggangact 600
gnctggangt ggaggccaaa ctgaatgaat cacacaggct aagtgggga 649

<210> 2045
<211> 654
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(654)
<223> n = A,T,C or G

<400> 2045
ttgncnattc ngcacgaggn ganatnnaag gntaggccna tgnagangag gaaatgaagg 60
ctaaaggtca tatatctaca aagtggggag gtcagacttt gaacccacaa cctgactgtg 120
gagccacttc agtatactct ctccccataa gaaagttcca atagaaaaaa aatgctactt 180
aagtagggaa atcacaaaat aagtgccaat gaacaataaa tgttcaacct cactacagtt 240
aaaatgtata ttaaagcaag agttgagatg acacttttcc ttataaaaca gacagggatt 300
cagggacatt gggactctaa tgctgctggt aagacatgaa taaatacata ccatctctgg 360
caatcaatac cagaagcttt aagcattgcc ttttgacttt gaaattgtac ctggaaatgt 420
atgtttcagt aaccatcatg aatgtcacaa aatcctgaaa ctcttaaaac tgatgtcaca 480
ggccaggcac agtggctcat gcctgtaatc ccacactttg ggangctgag cgggtggatc 540
gctganatcg ggagttcgag ancacctgac aatatggnga accccgctnt ctaaaaatca 600
aaacaattac tggngtggng ggatgtgcct gngnccaact cttggagntg nang 654

<210> 2046
<211> 708
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(708)
<223> n = A,T,C or G

<400> 2046
ntttcgattc ngcgngagag atggctctta agacactcaa taaatatact tattgaatta 60
gtagaacttt tcccatgnat ctcctattac tacattagga tctttgttcc cttagtgtgt 120
ctttagcctg tgctctcaca agctttgtgg tgtcgtgtgg atcacaggat cgtttaagat 180
aaagatactt ttagctcttt aattctggta ttctattatt ggtacaggga acccatacat 240
tatcttaatt tcagagtaac acacgtctcg gcatgggaca gggggtgtcc taatgaaaag 300
agggctaaca ggtggaatac tgactatgtg caggcactgt ataaagcaag tagtttttaa 360
atcccatttg caggtgagga aaccaaggct caaagggatt aagtcattgt ccaaggctat 420
gtagttgtta atgagtgaat ctgggtttta aaataaatgt gttaaattcc agggttgata 480
tttgcactgg gcatttatnt acttttattt gaatttttt tttttgcant ttactngccn 540
gccanaattt ntcntttgtt caaccaccaa aacatttttg gttccccact tggctttncc 600
cactttggcn ttcccctant ttnacanaaa ngggggggga aaanaaaacg ngggggggacg 660
ggatnttnta aacccccctgt nanaggancc acaaggggna ttggcttn 708

<210> 2047
<211> 676
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(676)
<223> n = A,T,C or G

<400> 2047
gttcgtaccc ccatacnctc cgtcccccgc cggcctacca ctatctagac acctcctgcc 60
ctctccatat ggctccgggg gantgtttcc ctccctagnc cganttctcc aatnnacagc 120
aacttcctgc ttctccagca agtcgcataa gaagaactgg aatcttgaca ctacaactcc 180
tgacaggacg cccctgcggc atccagagac agggaagcca gtgctgctct gcatgttcag 240
ggcgagtagc tgagagtctc cttccggcct ggatactgag gaaggtgact tagactttct 300

ctccgtcctc tgagtcgtaa cggacggaca cgcaagggcc gaggacgggt acaagcagca 360
gcgactagaa ctgatctggg tgagatctag gcctcagcaa caactgacgc aaaaagattt 420
tgttctagga ttggctacag ctgaaactac cgcgcttgat tcaaagctcg gggcttgcag 480
cgggaggcag ctggctcctc ctctgaaccc gccccttggg ctggcccaat ccgctgatcc 540
catcctctta ngccctgccc caaacttcca aatctaccag aattaatgct tccagcgctt 600
gtttgaccca ctcctgccta tgatttgntg gggngactaa ctactccggg gggggggnccc 660
gcnattagaa cgcttt 676

<210> 2048
<211> 656
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(656)
<223> n = A,T,C or G

<400> 2048
tatcccacac ctgctgtgct gggaaggccg aggatggggg cccagcactg tccaggcctg 60
ctggggcctg gctgggagtc ctgtgggcag catggaacat gcagctgggc ttcctgtgac 120
caggcaccct ctggcactgt tgcttgccct gtgccctgga ccttttcctg cccttctcct 180
tcctctgctc ccttggggct acccccttggc ccctcctggt ctgtgcaaac tccctcaggg 240
agcccccctg ccctgtagct ctcacttaac ttcctagggg ctgctgagcc cacccagagg 300
ttgttggagt tcagcggggc agcttgtctc ccttgtcagc aggggcgtaa gggctgggtt 360
tggccataca aggttggcta cgccctcaat ccctgaccgt tccaggcact gagctgggca 420
cccacggaag gacatgctgt ccanactgtg atgactgcca ncacaaggca tctcgggctt 480
ggctggtctt gcgangcctt gccctgtgga actctgggtt cctgttttct catcttttg 540
cggcttttgc tgtgggtggg anctgccgta ttcagcttgt gtcggncact aaangaggct 600
gtggtgcgan catgcaagaa actgccttgg aatgggccct ctctgggctg gcctcn 656

<210> 2049
<211> 669
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(669)
<223> n = A,T,C or G

<400> 2049
tttcnttggc ntaggaccan tgacttccct gcacgttcag ctttctcctt tgtgaaatgg 60
taatagaagc acgctgcact tgggattctn gtggattaca tgtgagggtc ttagaaacac 120
ttgatgtgta agccaactat tatgtattac tgtatatgga acacaaggga tgtagccaaa 180
actaaatgca agtttgtgcc tcagatgtct tcctatcaga acagagtcaa atccagattt 240
tgatgcttaa atgtgacagc ttattcagat ttagaaaaac ttttggtatg ggccaaagaa 300
aacatatcct taaggggata tggcccctag gccctcattt tccttttctg ctgagcaatt 360
aaaaaaagca ttaagtaaat tccacaaatt ctttggaata cctagagata aacagatatc 420
atgttaactg tatgataata agttagaata cttgcaacaa aatgcagagt tttctaggaa 480
aacaagtaat cattcagaaa taagaatatg aatagttcct cagttctccc cctttgtgga 540
atttgtgcag taaatgctgc tccaaagctc tgtggaaaac agaagcttnc catgaaaaat 600
ctgacaaggg tatctctcaa aaagagagct gtaatnccan cactgtggga ngctgaggtg 660
ggagtattg 669

<210> 2050
<211> 674
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(674)
<223> n = A,T,C or G

<400> 2050
natcgcggcg gcggtggtgg cttgtggtgc ggcctcacca tacaggaaca gggcagacgt 60
tagcgtgagt gatcactctc aatcccgggg acctggtggc cttagtcttt caggtggaac 120
ggtgtgcgac atgggaaaga aaaccaagcg gacagctgac agttctcctc cacccctgac 180
aaccactcac cattttacta cttctatctt tttgactttc caagaatgtc ctagagttgg 240
agtggtacag tatgtgggtt tccagactgg cttctttcta gcattatgta ctttaagttc 300
cttcatgtct tttcatggct tgataacttg ttttttaaaa tcagtgaatc agatttcctt 360
gtatggctac aacagtttgt ttattctttc gcttggtgaa agacatcttg ggcacttcca 420
agttttggca atgatgaata aaattgctgt aagtatttct gtgcaggatt gtgagtgaac 480
ttaagttttc caaagtgact gtacccttt gatttccact agcgatggaa agttctcgtt 540
gctcctcatc tttgacagca tttggtgtgt caccttttg aattttaacc attctaaaca 600
gcttatctgc ccctactgng gaatgatgtg acagacatag aatacactta cngtggattc 660
tagttcaaaa tgag 674

<210> 2051
<211> 673
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(673)
<223> n = A,T,C or G

<400> 2051
ggtcgnccta tcctccccac ctgttagaat tctatttatc tttccagtct tagttcaaat 60
accacttgtt tctatgaaac tttcttaact ttccaacaca aattcacctc ttcatttctc 120
tattccctta gcagtttgct cataacttta ttatataatg attgcactcc aacttggatc 180
ttagctaatt acgtacctgc attccacact agactgcaaa cttgaggaag atgggtgctg 240
tggctgccct caaaccgtat gtgcctccca taggacacaa gagttggtta tgcaggtgtt 300
gtctagatga aattatatag catctatcct tcttgaattg gctttttgcc tcagcacagt 360
tccggggaga ttcagcgagg ctgtggtgtg tactaatcgt tctttccttc ataaccaagt 420
ggtgctccgt ggtgcanagg tgctgcatgg taaccatcca cctgctgagg gactcggtgg 480
tcccaatttg gggctattct aaaataaaac tgggggaaca ttcatacaca agattttggt 540
tggaacataa gtcttcattt cttttgggat gaatgggcan gggttcaatt tttgggnctt 600
atganaagna tatgtttaag ttttaaaagg aactctcaaa ccattttnca gaacaaaatt 660
tgacattcac agt 673

<210> 2052
<211> 1282
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1282)
<223> n = A,T,C or G

<400> 2052
taaaantanc canntncaat ttnnannnnn angnncatnn nnttgttcac nttantantn 60
naccatnnta cnttactcca ntnnnnnnac aantattact atatcacatc cacgagtatc 120

actaanncac tcatcacann gcgnagnacg nctnaatgcn ntatcaanna ttatattnat 180
ctannntcnc atnatanana cangcanaga acanannenc atnnantnat acatanantn 240
tctatananc agatagntna anaantgggg ntgnnntacc nacngtaccn ccnntcctcc 300
tttgacaggg tacatcantg gagccttctc agtacccaca ggggtccttg gtgaattntg 360
tcatggttat ttaaggaacc ttgcctagaa ntcccaactt gcagttncnc atnnaaggga 420
aggcttggac tccaanatga ttataaaang aatatttntt gnccttgtt tangnntgca 480
cttgancntc ctnacgntna ctcttcncta gatncnnnnn annagcccna accnntcacc 540
ntnatcntcn ngantcngan nntctacact ctncnattca atnttcgnca ntcntnggac 600
acgntgntag tctanttang cnttnntnat tnnncnanan tnancantan tctnnncang 660
tnnacaatnc cccaaatcna gngtnatang antttnantc cnntnannnn aaantnaanc 720
acnncnttnc nncatattan ntannnaann tataatatat tnnnacaagn ntacctatta 780
ncanattatn acacnactng nnaccccata tatctatncc ntacnnntca tanttctaga 840
caatcttcan cnctattacn catcatcanc ctatgtcntc taancttatn atnntcanag 900
actannatta anttanagan atcntataca tatncnatcc tcanctaatc atatgnnann 960
nactctncan catnngntca tacttntacc atatcaactn natcnntnag ttngnangga 1020
tantcntaan tntccanatc nantnnanac anactctact tcntatntnt agatctnaca 1080
ancgtttact acanatgntc acatncnnan ctcncgaaat cnttccatnc actntacgna 1140
ttctccnnat atatctcaca tactcacaca cacactncat anacacatnn ctctcntata 1200
catttcatac atanatantt actcnctctn atcccnttng ncannnacct ctncatctac 1260
gtatcgctca nactctttct cc 1282

<210> 2053
<211> 726
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(726)
<223> n = A,T,C or G

<400> 2053
tttcattcnc ncgagggtat canaagccaa gcccgagctc aggtgttttg attcacagcc 60
ctttataacc attatcattt tgaatgaaaa gtaaatcact gnttcttagt gatttgggca 120
tgtttcctga gttaagggat ctgtctgaca tccgtggtaa gccttgtctt angtganttg 180
nggntaaana cttgtcccag atggagtggg aggacatgaa ggatgaggaa ctaccttcag 240
gaccttccag tccataggca gaggtggggg aaattcacag aaaaacaaat gagttaaagg 300
gatactgcag tagtgctggg aaattcagag ctgtttaaga cctancattn cccctggtag 360
gaaaggcaat caaacacaca tctgactgtc agactgcaaa gttctacagc ggaagaaaga 420
aaagggtgat tgtgaaatga atagactttc cacagaggaa gcagaataac cagtggaagt 480
ggggagatcc ncattttggg gaaaggaaag agccatgaaa aaaagaaggt agaggccnca 540
aaagtaccaa gggtgtgctt caaanaaaan acttggggac tttttgattg tgacttggga 600
cttgggantt gaaaaanggt gccantngga anttggnaag gggttnggga aggntgaaan 660
anttgaaaga nccangaaan gggggaaaat tggggagncc ccncccccagt ggnaagccnc 720
ccttcn 726

<210> 2054
<211> 640
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(640)
<223> n = A,T,C or G

<400> 2054
nnnnnnntag acnttcccat ggtggggcct ggccctcatc ttgaccaaag ctgctgtgtg 60

gcagctcggc ctctctacga ccccatcttg gtggctgcac acttttcctg gcccgcaccc 120
ccatccccag tccctgttcc ccaagaggat acagagcacg gtgctggctg actcaactgt 180
gcgtcccagg ttcagggtct tacagagctc cacccccctgg ggtcttacct cactgggaat 240
gtgttttgaa aatgaatttg gagacaagcc aacaaaccct gcactccaaa aaagcaaaac 300
agaccctaat ttttttgtgc caaaaactgt ggacatgctg gctcagcatc ctcaggacca 360
agttgttgct taatttattg ntttttaata actaatccag ataaaaaaag ttgtggggct 420
tcaagggtga cctgggccca aaggttctga agggcagttn ctggcagccc cagcttgctt 480
gtgggaangg gccgtgccgc acttttcata ttccatgggg nggtctgctg ggccaactct 540
gatgagaggc anggtgggga cagtccattt gcaccctctg ccttcaccac cacttatgtn 600
tgctgaatgg gatcggnacc atggtatgng gactgggaac 640

<210> 2055
<211> 692
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(692)
<223> n = A,T,C or G

<400> 2055
ttntcgattc gcacgagaat tgatttgcta catgcttaaa atgatagagg ttgctcagca 60
tttttggagt acaagggggt cagagagaca tgtgatgaaa attacagggc gagtacagag 120
atttagaagg gaacgggttt taatgcgagt atctttgaca gagtcttgct ctgttgccca 180
tgctggagtg tagtggtgct cgctgcagcc tcacattcaa aggctcaagc aatcctccct 240
tggcctttga agtagctggg accacaggct catgccacca tccctgggtc atttttaaat 300
tttttgtaga gagggtctga ctcttgccta tgctggcttc aaactcctgg gctcaagcaa 360
tcctccttcc ttggcctctc ctgaagtgct gggatacagt tatgagccac cacacctgcc 420
aaagtgcttt gtgatactat gcatttgttc aatgcagatt gggaaactta aaatttgaat 480
ggagattatg ttgatgggct ttggcaagtt catttggata gactgggatg anaagctctt 540
gggacttgtg actgggccaa aacattccag tattttaaaa taaaaattaa gcccttatta 600
ctcccnttca tnaaaaagcc aatccctatg ggtanggaac atgggganggt ttgggnaata 660
atggcaccgg aaaaggnngc cacctttct tt 692

<210> 2056
<211> 679
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(679)
<223> n = A,T,C or G

<400> 2056
tctnaanaat tcggcacgag aantnatttg ctacatgctt aaaatgatan aggttgctca 60
gcatttttgg agtacaaggg ggtcagagag acatgtgatg aaaattacag ggcgagtaca 120
gagatttaga agggaacggg ttttaatgcg agtatctttg acagagtctt gctctgttgc 180
ccatgctgga gtgtagtggt gctcgctgca gcctcacatt caaaggctca agcaatcctc 240
ccttggcctt tgaagtagct gggaccacag gctcatgcca ccatccctgg gtcatttta 300
aatttttgt agagagggtc tgactcttgc ctatgctggc ttcaaactcc tgggctcaag 360
caatcctcct tccttggcct ctcctgaagt gctgggatac agttatgagc caccacacct 420
gccaagtgct ttgtgatact atgcatttgt tcaatgcaga tngggaaact taaaattgaa 480
tggagattat gtgatgggct tttggcagtt cattggataa actgggatga aaaactcttt 540
gggacttgtg actgggncaa agcattncag tatattaaaa taaaaattaa gccatattac 600
tncactcata aaaagcaatc ctatgggaag gacatggaag gttggggaat aatncaccgg 660
aaaggnggca gctttttt 679

<210> 2057
<211> 535
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(535)
<223> n = A,T,C or G

<400> 2057
tcatcctgan nctcnanagt cgaccngcan gcntgcaagc tttntnnnca aagaaggggn 60
gtgctggccg gnnnggattc ccccagccaa actgtctttg ncagcacgtg gggctcactt 120
gtcatccttc cccaantntc ntagcccccg tnctaggttg gacagccccc ttcggctaca 180
ggaaggcagg aggggngagn cccctactcc ctcttcactg gggccacagc ccccttgccc 240
tccgcctggg atctgantac atattgtggt gatggagatg cagtcactta ttgtccaggt 300
gaggcccaag ancccctgtgg ncgccactga ngtgggctgg ggctgctccc ctaacctact 360
ttgtttcgca ctnaccattc ccctctanat ggnacaatac aagantacct gccgtccacc 420
ctctgtctct gcccagttgt cattcttgta aatacttgaa gtggtgtttg tatgcatctc 480
ancgatgtgt gtcacncaat gtatctatgt ctgctgcagn cctccaaatt tggga 535

<210> 2058
<211> 682
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(682)
<223> n = A,T,C or G

<400> 2058
aaactgcann naagatnctt ccagttcttg gattnctagg tggagtaata ttttcctgtn 60
caaattattt ccatgttatc ctccatggtg gtgttggcan naatggatcc actatagcag 120
gcnccagtgt cttgncacct ggactccaca taggactaat nattatactg gcantaatga 180
tctataaaaa gtcagccact gatgtgttng aaaagcatcc ttgctttata tcctaatgat 240
tggatgtgtc tttgctaaag tctcacaaaa attagtggta gctcacatga ccaaaagtga 300
actatatctt caanacactg tctttttggg gccacgtctt ttgtttttag accaggactt 360
taataatttt atagacgaat atgntgttct atggatggca ntggtgattt cttcatttga 420
tatggngana tactttaatg cttngagcct gcaaatttca agacaccttc tttaantata 480
ttcaaaactg catgtcatca ancacctgaa caagntcaaa gttcnttctt caaagaagtc 540
atcagaaata accatgggan tggaaganac ntttccnaac acttgctatc ntnttgctgc 600
tgctggtttc nntngagggg aaaattaaac catttggtta aattttaatt taaggggtat 660
tncctatttt caacnaaata aa 682

<210> 2059
<211> 699
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(699)
<223> n = A,T,C or G

<400> 2059
cntncncagc ggnanagacn tntccaataa tgnnggatan gcntntacta agnncacaag 60
acttnanngn natnnatngc ngagnatcac tcgcnctnan angattacca cgtgangagc 120

tatatcctca gcactctagt ctgganaacc tgcgaataaa aattaangat ggnctacntn 180
ncttaacatt taacacctgt atggcccnaa aatnttnttg cttgctacta tgcacataac 240
taatgactat cttgcgcatn tgatacctct ggncacaanc caaanactgg gtnntncngg 300
gaccngacnt nanntnctag cnnnggggcgt tggacacnnt anccttgtgg aaacaataan 360
aaaccattac ntgncccatg nccctacnna cccatgatan gccaaggagg ngccaggtac 420
ntgagggtga ctagctacnt gaggtgggcn ncatacntta cttnctcact gnagtngngt 480
ttgggtnaaa ttttaacccn nttacnccan tggtagtcat ncngtgatgg ncnatcacan 540
cagcaagnat ganctcaagt agccctaaat gctcnangca acctcttntt ntgaggaaag 600
accttnactt tntggnggng gnanaaactt tacagnnntt tttgggaacg anttaatgtg 660
ggnctngctt ttttgagaag gcccagnctt ncantacca 699

<210> 2060
<211> 701
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(701)
<223> n = A,T,C or G

<400> 2060
ccagagtcna ggctgagagg atgcaggtgt cctcctagga ggtttgagtc agaaggcacg 60
aggcagaagc agtgggggag gactccctca gtagagcgag gaggaggccc ctcatccaag 120
aggaggttgg agcacagggg ggtctaggtt tgcagtttcg ggaccggtag ctgaggggtc 180
ccagggcctt tcttctgtga aggagaatgt gtccaccgtg gggaggggtg cgggagagag 240
agatacttca gagtggacag ggctgagaaa gctttatggg ccgcgaaagg cagagtantt 300
gttggtggat gagggtgctt gtggcangtg gcgtttcatg tgagacagct cggggcccan 360
aaagacactg ngaggaggag agctcctgct cttcaganaa acaggagcnn anaggaaaaa 420
cangaancgc nancgagccg gcttgnggtc ttggggatga aacccaagnt ttacagcatt 480
ctnttgnctt tnncttggtg ggaggtnggg gggccattat ttctcncccc ctggtcttgg 540
gtccttttcc cttgcccanc cnaangggaa aaacaagaac cccttccccc tttttncgct 600
tcaagganta ttccaaaaac tgtccaaaat cttttnnngt tggaanntta aaatttcntt 660
aattcccctt tgtanttta aaaannangg tttcaagatn t 701

<210> 2061
<211> 738
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(738)
<223> n = A,T,C or G

<400> 2061
agnttcgatt ccgcacgaga tacatccacc ttcangcaan cgnaaactgg ncaaccagta 60
tgagaaattc cacagtccaa gggaaagaga agagtatagt gactgaggng ggtctctctg 120
tccaacatgc aggcagcact ccctcatcct gctcagtgag agaattcagg gggaatagaa 180
aagctgctga gagttggtaa agaggatggt cgagtgagat ggtgttgacc tccctggatc 240
ttatgtcact acatcctgga cctcaagagg gtcatccaag ctttttgaaa gctgaactcc 300
ttgactggag aaacctagac aagaggcggg gccaggtgct tgatatctag gaggcattct 360
tcctcttccc ttgccaccat ggagctgggc acagtaagcc atattgtttc ctgaagcagg 420
agtcccaggc cttggctaga nagggaacag atgtctnaca aaaagagaag caattcgagg 480
aattgatgaa gcacaattaa aatcctctct ggctagtagc tctctggctt tctgttcatt 540
tgaagaataa atctttggct tgacagtggg aagcaccagg tttgaaatca gatggcttta 600
tttttctttt ttttggcatt taaatcagtg aaataaaatt attactggag anccacagtt 660
cgatttaaag agattcctca ccctgttttt caaagtcctt cttttnaaat tccatgcntt 720

gggggggttaa nnggnaaa 738

<210> 2062
<211> 743
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(743)
<223> n = A,T,C or G

<400> 2062
antttcaatt ccgcacgagg aanatatatn cntgaaggcc tgtggcctag gaaaaggana 60
cactgaggtg nttcctaccc aacatgtggn ccgtgctctc caaactatct ttgagctgaa 120
cgtccaggcc tttgcaggag gggccatggg ggctgtgaat gggatgcagc cccatggtgt 180
ccctgataaa tccagtgtgc agtctgatga agtctgggtg ggtgtggtct acgggctggc 240
agctaccatg atccaagagg gcctgacttg ggagggcttc cagacagctg aaggctgcta 300
ccgtaccgtg tgggagcgcc tgggtctggc cttccagacc ccagaggcat actgccagca 360
gcgagtgttc cgctcactgg cctacatgcg gccactgagc atatgggcca tgcagctagc 420
cctgcaacag cagcagcaca aaaaggcctc ctggccaaaa gtcaaacagg gcacaggact 480
aaggacaggg cctatgtttg gaccaaagga agccatggca aacctgagcc canaantgag 540
ccgtctgaac tgtgggaagg gaagtgctaa cagcccaacc tccaacctgg nctttcctc 600
cttccccttt gaacctcctg caaccctgaa cccntcagga caattcatac ccccttcctt 660
tttttccacc caatttgttg ccaattaaat tgggggggttg agggntgacc ntaggcagca 720
ttaagaatca cttatttttat ttn 743

<210> 2063
<211> 672
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(672)
<223> n = A,T,C or G

<400> 2063
gaanccactg ctgcgcaccc tggagatggg tnggggaccc tgggctcccg ttaatgttgt 60
tgtggctcca gatgcctnag aaataacttc cagagtcaac accatctgcg gaagtgccgt 120
gagacggtgc atgggctgga gacagagaca gccggcgccg aacatacctg gggctgcccg 180
tgcaaactgg ggcaagccct tcagcctcca tgtggctgct ttactatgga gaacagaaat 240
gactagaacc tgacttgtgg ggttatggcg agggtggcat gagatgagct ttgtaacaat 300
gtgtttgttt atgggcagca aaaccctgac tcattgtctg ggttactaat atccaagagt 360
tcatcatcag cgataattat tgtcaatagt cgtaactgca aaagtctctt ttaaagctaa 420
aatggatgcc gggccagtgg ctgtaatccc aacactttgc gaaggccgag gcgggtngga 480
tcacttgagg tnaggaattn nagaccggcc tgggtnacaa tggcaaaccc cgtntctact 540
aaaagtgcaa aaattaaccc agggtgtggn gggcaagtgc cttgttaatc ccactacttc 600
aggaaggctg aggcaagaaa aatnacttta aacccnagga aggcggaatt tttccattga 660
gnccaanaat cg 672

<210> 2064
<211> 746
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(746)
<223> n = A,T,C or G

<400> 2064
acctncgctt caanaanctt attctccttc tcagcngcgn cgtctgnacg ctnattcctn 60
natcantatt nngtagacgg nccacccctt tannnacntc gnanncatcc atcacgcttc 120
agcnnncgnn gctntgncgg agnatngnct tntgtnnngc gnttcgnnan gttcctgcaa 180
aaagaacaag tagattgcca naagaactaa ngttaaagaa cattncttcn anacactatt 240
aatgggctta ataagcanag gcaactgttt ttgtcanaaa acanaaggaa agaacttntc 300
canaggataa ttgtggagct tgttgaattt atatctccca aaacccctaa acctggagaa 360
cttgggggaa gaatatctgg gtcagtggct tgganagtac ccgaggtgaa atgggtctac 420
anagaaaaga aaccttgttt attccctgtg aaaatgagaa gatttttaaa cagcttcccc 480
tttgttacaa tattgtgaaa gatcgttatt gttcnagttt caaatacaat caaaccattt 540
cttggatggg gagaatggcn tgtggaaaat ggaatctnta tttcanaaaa agttgnaaca 600
gactggcaca tggtattttt tggccccnaa anggaangga tcatnttttt cttatttttc 660
cttggaagtt tgantnttgg gtcaanttgg ccttaaaagt aantaccntt ttctatttaa 720
aacaagtntt caaaactttt taaacn 746

<210> 2065
<211> 1005
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1005)
<223> n = A,T,C or G

<400> 2065
ttnnnnncnn nnncnattnc ccannnnnnn tnnnnnnntn nnnnannnnn nnnnnnttan 60
tnnnnnnnnn tntnnnnann anntnnnntn ttntnnttna tgtntncnnn nnnnnnntnt 120
gcgncgtntn nnnannncnn tgttananan tnncnnnntn nnncnnnnnn nnnttcgccc 180
nccntnccat nnnnncccccc ntacnncnnn ttnnnntnnt tnngantnta cagtnggaaa 240
caatattntt ttnnncnntg gnggcctccc ttcatttacc tgggtgtttt ggctcaccaa 300
agagttgtgt tctgcaaatg tctgggcaat ccntggagct aaactggcat tagagtcaag 360
taacactcct cctctctccc tgttcttttc cttaaaatct tcaaaggcat tgggggtttt 420
accttagcaa cttgctattt cgtcttctta gtttgaacct tcaaatatag ctggatataa 480
taaaatgctc ctcaaatgag gaagtaccan aaagaccaga tgcatggtct catgcttccc 540
ttgtgctggg gcacaagatc taaacaaaaa caatgttgtg tccatattaa agagcttcat 600
aaatacanat gggagtgaat gaatgattta tgacangtgt taggttgtgg aagcttggta 660
gtaatacaca gaattctcag aatcatgcct gtcccgtgga ataaaaanga aaacaacctt 720
ttctttgtaa gggttagaag atttgatggg gaaaatccan gaaaccatct aaggangcta 780
aaagaaaaga aanttcctta ttaccccaga atngttngga tngtattttt gccaacattc 840
cttctcantt gcctggacaa cgataangat ttctattttg gaagaatnaa tgtggtntta 900
aaatcaagaa attcttgaat tttttcnttg gcanggcatn gaggacaana gtngaaaaaa 960
aaaatnaatt gggaagaana atccntatnt ggtaantttt tcnca 1005

<210> 2066
<211> 1022
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1022)
<223> n = A,T,C or G

<400> 2066

cnctcctttn cctnnnnnan tntcntantc nnnantnntt nnaaantanc nntncnnata 60
tntannnntc tagnnnntnt ttctttcnct catannannt ntntntntnt ctntgtantt 120
nattntnccc ccccntnact naccccccct ctnntctnnn nnnnnnnntg ancntcagtc 180
ngacacgana ttctgngccc cctnnnnccc tgnncnnngt acaatacnca tggntctgtt 240
cnccanntnt ccccctgnag tggatgctnn cctgcntnng ggaggntttc tcctaacttn 300
cattcctnna cttcccgnaa gcagccccna acacttactt atanagccat ctctatctga 360
attagnanat catggatnnn ctcantanct gancatttcc ttatcagnta ccaccaatat 420
antattttaa cactgtctcc ttttcacaca cnctagcttn ctaanancna gctggggggc 480
tggcntgntg atccacgcct gtaatacnan cantctgtgt aggnagncgt gncggatcac 540
ttnangtcan ggantttgan acacagcctg nctaacatgg ttgaaaaccc cttctcttct 600
gaanatgcta aaatatactg gntggtgtnn ggcatgctct gttgatccna nctacctcac 660
tgtaggctcg nngcnnnaga anncccttna nncccatnng gannnntatg nntgctattc 720
gngnccatgg nntcaacacc naacttngac ttcctanntt ntnnggggnt gtatnaaanc 780
tganaatact cttcctncaa natataanan antaanannt ngtccaataa tcccnctnta 840
cngtgacttc ntntacnctc tctccncacn tatcattaca tctgcctncn ccccanctnn 900
tnaantatat gaanaataca ccanttntgt ntctanattc tnattcggcc ccttncnttg 960
gntncacnta tttantttcn atttntnacn ccatattcnt tnatcgtntc tanctcnttc 1020
cc 1022

<210> 2067
<211> 991
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(991)
<223> n = A,T,C or G

<400> 2067
tnnnnnnntn ntnnnnnntt nnnnnnntnn ntncnntnnt nnnnnnnnnt nnannnnann 60
tnnnnnnnnn nnnnnntctn tncnntnnnn tnggnntatn nnnnnnntnt ntntntnntn 120
ntnttnnttn nnnntcccnc cnccnnnnnn tnccccctccc nnncnnntnt nnntnnnnnt 180
nagttnacag taggangngg aggctcttct tnacgtgtng ggacnnncat cctggggcat 240
tntcaactgc gtnttcattg tgtactntct gatggagatg ctgctcaagg tcttnggcct 300
ggtcctgcga gggtacctgt cctaccccag caacgtgttt gacgggctcc tcaccgttgt 360
cctgctggtt ttggagatct caactctggc tgtgtaccga ttgccacacc caggctggag 420
gccggagatg gtgggcctgc tgtcgctgtg ggacatgacc cgcatgctga acatgctcat 480
cgtgttccgc ttcctgcgta tcatccccag catgaagccg atggccgtgg tggccaatac 540
ccgtcctggg cctgggtgca naacatgcgt tgctttttgg ccgggatcct ggtggtnggt 600
ctactacgta tttgccatca tttgggatca actttgtttt agaggcgtna ttgtggctct 660
tcctggaaac aagcatcctg gcccctgcca atggctnggc gcccctgtgg gancttttnca 720
gcagctggan tacttggggc ccaaacaact tctaatgaac tttgccgggc ttgccccttg 780
gtccacttct tgtgggaaac tttgattggg nngggtngna accaacttgg ccaaggtgtt 840
tttcttggga atgcattntt ngggcgcttn cttcnaaggc cccngnggtc ccaagaanct 900
taatttttgt nanttgnggg gggggnnntg gtggttctta tttgncattn ttnggggnca 960
accntgtttt tttgggccnc ttnaattttn n 991

<210> 2068
<211> 1054
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1054)
<223> n = A,T,C or G

<400> 2068
ttnnctntnn ttctntttnn tttngtntcn tctctntntc gtttgtntnt nttnnnnttg 60
gttgtngttt cttttctgtt cnntntttta cccctcccct tnncccccct cncttctttn 120
tnttttngtt ncagtggang gtttttnttn cctnngggcc cgggnntngn nntttttttt 180
tctnctcntt tnattccttt ttngtggtgt tganncttgg ggaaannggg gggnttttta 240
catgctcntc nnccactttt cntttacnng gcttgcttcc tttgtnngtt tttctttttc 300
ntctttttcta tctttnttgn ttttttcntn nnntnttttt ntggcngttt tnctcctccc 360
ncctntngct ttttncntct gngtctttnt tggntcntct ctcattnttt gtgnactcnt 420
nctgncntng tttcntntac tcttntcctg tntnngctat cttctntnac ttctattnnc 480
tttntttctc tgttctnttc ntttcttttg ttctgttncg ttcntctttt ntcntttnc 540
tctcttctcn tttncttnct ntccttcntg tcctcctctt ntctcttttc nntctnnntc 600
ctncgtttcn cgtttttttt ttgtcnctct tnngnttctt cnncgttctt gcttcttcnt 660
ntnttttttc cctctttcct cttncgnnnt ncngtctcnt ttatcaagtc tactntnntt 720
tgntctcttt tctnttcntt gnctgctttc tnnnnctgct tttcctctnn ttnnctttct 780
ttntacnctt tttcgttanc cttnctntnc tntttcnttg cttttctttn nntnccctct 840
ttnngntctt cgatttttcc ntntntttnn cgttccattn ntnntccttt tatttcnttn 900
tcttttattt ctggtntctn tncntttctc tntgtanctn ttcttttact tcnntttntt 960
ggtnnncctn ctttttctnc nncgatcgct tnttgttctn gctcttcntc tcnttcnttn 1020
tnntgntann ttntactnnt ttctcttctt cncg 1054

<210> 2069
<211> 711
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(711)
<223> n = A,T,C or G

<400> 2069
aggtntcgaa tcgcacgact tgtccctgtg gggtcttaca gatgtgtctc tgagtagtaa 60
aggcttagcc ttgttctgtt ttgttgtttt ttggagggga aggttagtca ggcctgagta 120
ttcatgtaac attctaaaat tgtgccagcg agcaccgtga acgactgcaa tgcaagcggg 180
tcttgctggc taaaatgcca ggtaaagggt tggttggaca cagcgcttag tgcacgctgt 240
catcatggac atcataatca gttgtgaaaa acacgcgaac ctatgacact tcttattcca 300
cactgaatgt gaaattgcat gttcagatgt ttactacgag gcctggctca caggaagtgt 360
tcagtaaaag tatgcactgt tagattactg ataacgcgga tagatttttg tttaccataa 420
attgttccag atttatatta atggaaggaa gtgtgcattt attaactatt actcaacttt 480
acaatgcaaa catcttattt ctcatcttta aacatgtcga caagtttaat tgaaaagtat 540
tctgagactg caaaatgggg tgttaaaaaa tactgcagtt acngactgtg taaaccagtt 600
ctcattgcat aagatcagat gtaaatgcat ggagaggtga tatgcactgt acagnattca 660
ctccccattt cacatnttgc aganaatagt cttgtcatac tgagtgtcta a 711

<210> 2070
<211> 825
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(825)
<223> n = A,T,C or G

<400> 2070
atnctttttcg aattcggcac gaggttgttg ttaccgtgtg cccccnngnc ccatgnnggn 60
ngtgcnntgt ngacacacag nnanncaann anntgtgnca gtctgtattc tggagcnttg 120
ctncttgnca nttgatttgt actntantta gnagaagcct gtacactgta gcgtggccag 180

09253205.1 #0615362

atgtggagtt cagaggcatg ctcacctggc tgnctttna ntacttacct tatagccatt 240
nttanactga gagcttnaac tgaacatata atcaaatttn gtgntaagga agtgagattt 300
tancagtatt tttcagtttt gaagttcgaa accatcccaa ggcataggag ccatagcctc 360
aactgaaatt gaatttttgt agggactgtt aattgccatt tgtacctaat actgnatata 420
tacatatata taccgtgtgt atatatatat anatatatat atatatntat atntntatan 480
anatatatan acatatatat atatatatnt atntantaca tanttngtct ntntcantga 540
ntntacaaga gannnntnnt tcantagaac antcttcaat cnacactcnn ctgtccncnc 600
gctncgctca ataannctcc taacnatcac ttcancccct ttncntctcn cctngnatag 660
acnnanaaat cttactcanc ttcttnttat catagtcntn ttnnatanta naanacctct 720
nttntancnn atcatcnttn cntncntgct tngnntanaa cgnnagaaat atctnnacat 780
cttntcttat ctccaattct tcnnnntnct tacanccnng cgnct 825

<210> 2071
<211> 729
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(729)
<223> n = A,T,C or G

<400> 2071
ccncganccc natnnnanaa ataanattga agatncttcc nnttctngga ttnctaggng 60
gantannant tacctgtcca aantatnncc atgnnnancc ncnntagggc angggnaaga 120
atcatggctc atgantngtg ngggacaagt ggtcgcagag cacaggctct nggtaaggag 180
acctggtttg agtttataac cagagacagg cagttcacca actgagtctc aaatccttat 240
ctggaaaatg ggaataattt gtcttctctg gccgagctgc tgggaagctc anagatatta 300
ctgcataaga angtgcttta tacctgtgan gcgagatggg aaatgaagga tgattgtctt 360
gatgatgatt ttgngctgga gctggcttac aatcccctga cagtgacacc tgtaccatan 420
aagtgagaga acccagcgac nccaagtgag actgggaagg ataggccctg ggtttgaatn 480
cccnctgtnc tcgttgtggg cccccttgac ttttttgaca ancctcatca cattccttaa 540
ccctcaantt ttgccctgtc tgntaaaaaa gggtncacaa ntgntgcctt tgtgccccan 600
ttaaacccaa ggaactgggg aaaatgcntt ggccttgagg ggacaatgan taaccncaat 660
nggnggggcct tgtnaangaa ttnggccntg ggacccttna gggggntccc ctantaaggg 720
ggccaaant 729

<210> 2072
<211> 749
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(749)
<223> n = A,T,C or G

<400> 2072
acnttnacga gtnngnccga ggtcnnnatc aatgtcnann ncntcaacag gggnatanct 60
gaccntaana ntncnnnaac gtctgnncat nnctgttgaa tggcnctgct natnatagta 120
ntgtntgccg aggaaaactn ngaatntgac gaggcttata aaaccatggt agccaggcgt 180
ggtacgtagc tcacacctgt aatcctccca aagtgctggg attataggcg agagccacca 240
cgctcagtga gtatgacatt tttaaaagaa cagtataaag cataaaatat cccatgtggg 300
gcaaactccc agattatttt cctaaacaaa tagaaaaaat gcttcctgaa atagggtaag 360
agaggatgag tcatcaggat ccctgaaaca aagatctcaa acaggagacc ttacgtatat 420
tattcatcaa tatcttcagt gcaaaaatgc aaagccattt acagaaaggg cacatagtaa 480
gctttacata ctttncttag gaacagnctt aaaacttaaa aatctcatgg tttaataaag 540
agtaataatt ttatggggaa gcaattttaa gatttaaaat ttcagagtat cttccatacc 600

agcagtntta tttaaagtag tggaaaaaat aagacaattt aatattccca tggatggatn 660
gattaaaaat tgggtntggt canggnggaa aataaaccnt gccccccaat ttaagacttc 720
ctggccaaaa ntttgggggа aaaaggtnt 749

<210> 2073
<211> 1498
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1498)
<223> n = A,T,C or G

<400> 2073
tnnnntctnn anncntnncn nnncnnnnnn nnnnnnncan nnnncnnnnc nacnnntnna 60
nnnnncttncn cnnnnnntnt nnnncnnnnn nnnncnncgc tnntctntnn nnnnntnggt 120
nnnngnnang tcncngntan cccncannnn nnannnatnn ntatnnnnnn tntnnnntnc 180
gcnccccccc gcccccntan nnntnccccc nnncncnttn annntnnnnn nnnnnnnnnn 240
nnnnnanncn gntttaccaa nattcccncc ncgggggggg tcctataaat gcctatcnac 300
naggnncnnc cncctnnatn nccccnattt ctagcngncc ccttnaanan nnncccagcn 360
nttntnttat gctggangan gggantgcna cgttgnccct ncnggggggg gttttntagt 420
cnanaaaggg cccgacggcc anangccngt gggggaggga ctncactcag nataancgag 480
gaggaggccc cttnatcnaa gaggaggntg gcnccccacc ggtgcnncnn aggttcnncc 540
ttcttacgcn cctggntact nnagntnttc tttgntcnta acttatttgc ntcatnannn 600
ntctntctcc nnctnnttan nnngnttcnn tcngctanca tntttancat ctctnnttnc 660
tactanantn tctccntntt cnactangaa cttccgatca nnggntntan ncnntctcnt 720
cnntgactaa cntcatctgn natcttaann tcntnntttn ntgntttcna ctcnttttтt 780
gnnntctcac tgtcatnnca ctctananag ntcncttnct nnntatctna nnntcnnntt 840
cacnnctтct ntnntccttn tnatcgcnnn tcatctacga cctctatgcn atcanatgcg 900
cgngnatcat atgtgccntt ctnacaagtn tanntcntcg nntaattacn ctcncatant 960
atctcacnnc tttcntttca nnactantat gntnggtgag gctatatagn acttngtgga 1020
nggggtcntc tcttntacnt ttnatcgtgn ggnacgnttt ncttnnctat natctntanc 1080
aantttnctt anatnctggg gtcnaacnnn ananncnaan cntcncgcnc ncnaanatac 1140
nctgctatnn ncatgcttna nacatatnta tnaactcntc atcttntanc gcttcatntg 1200
natctctcnt ctgtttctnt natacatcan aatccatnnc tgcnacnctc ntntacnnct 1260
cctatnatat gcnnttcttc acanttntac ctaccgttca ccatntatnn aactatannt 1320
cacatnttan atgnncnnnt acnnncctcn ntgancaatn ctgttttctt nctctctctc 1380
atctntntat gngtnttacn tcttannatc tntctncacg cntntatcnt angcgtctnt 1440
ncaaaaatnt acgnntctnn cncatcctca cnctctngan ccgatctann nctgncca 1498

<210> 2074
<211> 947
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(947)
<223> n = A,T,C or G

<400> 2074
ncntcaattc cgacgagggt acttaataag nngacaancc agaaacaata ttgaagatct 60
gaaaaatcta gccgaccanc tctaggnngg ccctntntcn nanagtgggn gatgggcatt 120
gntttaacta ttaccttagg tccgtgataa tatcccntgg cccagcagaa attatatact 180
tggcaacaca tatttttcac caggaagctt cacccagaca ctgancanaa tggtctnttg 240
caccaataaa ggctcacnta aanggntngt ggtnncccaa gnaaatanac atttctnaat 300
tgcnaaantg gtaaactgct ttancnccat acaaggngnc tatctngaaa cgnnttttтc 360

tnnnanngcn tcatnngtnt cntcttctat ngccnnatta actnattgan tnnttnnnat 420
gncatncnna anngcgntnn acatctcctn cttatatcna atnccnntna tctcnnnatn 480
ctacntccnn cnatcntttn ttcattcann tttattacct tgntcnccan ctgctanccg 540
tcttcngana tcnanccttn nnnttntnca annctanttt ntntcaaaat gggccnnctn 600
ttttanatnn cnactactgn gatatatnnt ntcnnntgac ngtttnatnc ccctaacnac 660
natatcnnac tnttctctcc nannaannaa nnngnncatt tatnttnacg ggaaaaaaaa 720
tctcannctc cngcgnccct ngattgggct ttcnaccccc ttggnaaatc ncccancnac 780
ctnttgggna aaggccnaag ggtnggccca aaaatnnncc ttgaagggtn tnaaggaant 840
tttctaaaaa ccaagccttg anccnnntnt tggngaaaaa cccccggttt ttttcttnaa 900
aattcccaaa anttcnncnc cagcnctnna atcnngcccc cctctgn 947

<210> 2075
<211> 689
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(689)
<223> n = A,T,C or G

<400> 2075
aanttcaatc cgcacgaggg atcttcttca atcagcaata acaggtggct ctatagaatg 60
gagggtagaa gggatgtggg tgacttactc agtttttagt taaagaggac cctcttctgt 120
tagcatggtg aagtgcagtt tctttaataa attgtgcatg gtgggggtgg gatttggatt 180
ctgtgataca atcttgtttc tttaggaatc ttttactttt ggccacttgc ctttctttcc 240
aaggaatccc actccctttc aaggtgcctc atgaactgtt ttcatgaact ttccaaacat 300
tggtttctgc ttgtttctaa gcctgattct tggccttctc attaattttc aaaacttcca 360
atatccttcc aaataattcc cttttgctta cgttagcgag tactagtttg ttagccagtg 420
gtaagttctg gtgatcctaa ccaaaaaacc ctaactgaga tatcagctct taacgcaaaa 480
gttgngaatc ggcatcctca tatgaagang ggagtgggaa ttgggtgtgg gacttncggg 540
atatccaaca gtggatgcta aagnccttac ataaaatgca tanattggta tatcctccca 600
tcatcatctc tagatattat agacttatac aatgaatgct gggagcatcn ggattttact 660
ggattttgng gttgnggaat taaaanatt 689

<210> 2076
<211> 888
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(888)
<223> n = A,T,C or G

<400> 2076
ncttcnttcc tcgaggacac tgnctnctga aggccgntgg cactaggcnc ancagacant 60
cnctgcaggt gcaccaacta cagactcaca ctaatggaca aggagntttn cncaatncag 120
tcccacgcct ttncaggtag gggccanggg ggctgtgaat gggatgcagc cccatggngt 180
ccctgataaa tccagtgtgc agtcttgatn ctccaggtgg ncagncagat tatagtgcag 240
cctgngctga gtattataga cancaancat nctattgntg tccagacaag tncccagggg 300
aatgccacan ctttcttnag cacctnatng tctantttta anaacncgga ccgttancag 360
tttttgcttc atttntttgn ngngaannna canacntttt tnttaaacna tntnagattn 420
ctnnncganc tttcnttaac gcatccttct ntnngntntt tcggtntata aaancgnttg 480
nctatttttt ttttnntctn cgacaatggt ccnnnanntn ttttttntct ttnttngagn 540
ggatnggntn anatntcttc ttgtnnanca aaatnnnant ntttngtcnt tgtttttttn 600
acctnannnt gcanntggaa ntttnactan nncttcnntc nnattncttn acaccattgg 660
gccctttcc ctactnttta ccacntcgta naacantnct ctngtancta cttangtanc 720

tncttagngt gnnaatatnt ntntncaccc tntttctaca gctctgtatt catcttcctc 780
agtattntcc ttactcttta catntatnnn ngtttantac gtntcgnntc ttatngnnnn 840
taccctccta ctatttgtna cttatncaca ctnttctcnt catnaccc 888

<210> 2077
<211> 721
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(721)
<223> n = A,T,C or G

<400> 2077
anttcgantc gcacgaggtg cctcctgcct ctccaatcct gatcccccat tcccagccaa 60
ggagaggttt tcagcccttg gtcaccctga tgacctgcag ctttccaggc cctaggctga 120
gaagtttaag tccagtgtct cattaatcct cataataatc tagggaggcc gggcacggtg 180
gctcacacct gtaatcccag cactttggga ggctgaggca ggtggatcac ttgagttaga 240
agtttgagac cagcctggcc aacatggtga agccccgtct ttactaaaaa tacaaaaatt 300
agctgggcgt ggtggcggat gcctgaggat gctgtcctct gatttagctg ctgcctccag 360
cctctggctt gagaacttac taaaggcact tccttcctgt taaaccccctg ttaactctcc 420
ataaatttgg tgattctctg ctaggcctaa gattttgagt taacatctct tgaagccaaa 480
ctccaccttc tgtgcttttt gcttgggata atggagtttt tctttagaaa cagtgccaag 540
aatgacaaga tttttaaaaa aaaaangaan gaaaaaaaaa ccccttctt ttaaanaaaa 600
nacctaacaa attttaatat agttatctct accnctttct ttttaagttt cttgatttta 660
actcangctg nattntaact catctgggaa aacaangngt tttgattaaa aaaatatnaa 720
n 721

<210> 2078
<211> 733
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(733)
<223> n = A,T,C or G

<400> 2078
acnttcaatc gnacgaggnc tntnnnctna tagccgcggg ncccagaatt cccaagcgtn 60
ggattgntca cccactaatn gggaacgaga gccgaacagn tgangagagt tcactgactc 120
cccagcccca ggtgggcctt gtgcacatca tgaccagttt tgaagatgct gacacagaag 180
agacagtaac ttgtctccag atgacggttt accatcctgg ccagttgcag tgtggaatat 240
ttcagtcaat aagttttaac agagagaaac tcccttccag cgaagtggtg aaatttggcc 300
gaaattccaa catctgtcat tatacttttc aggacaaaca ggtttcccga gttcagtttt 360
ctctgcagct gtttaaaaaa ttcaacagct cagttctctc tttgaaataa aaaatatgag 420
tnaaaaagac caatctgatc gtggacagca gaaagctggg ctacctaaat aaaatggacc 480
tgccatacan gtgcatggtc agattcngag aagtattcaa tttcttgatg gagaaaggaa 540
natggcgagt cattggaatt ttttgagact caatttattt tatcttccaa ancactcttt 600
gcagaaaaca actgggccca cacangncca taccggagta ttgnacttat tcgctctgnt 660
cctnccaaag cagtnttccg acagaaatgg ntgaaaatga gtcatgaacc cccgaaaggc 720
taaaaggaga aat 733

<210> 2079
<211> 808
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(808)
<223> n = A,T,C or G

<400> 2079
acnncgcttt actagcttat tatcattcgc ancgctgctc tctnaccccc agcgtccaca 60
gagctggatg ttcctcacaa tgtccaagtg gctgcagtgg ttggcattgg ccttgtatat 120
caagggacag ctcacagaca tactgcagaa gtcctgttgg ctgagatagg acggcctcct 180
ggtcctgaaa tggaatactg cactgacaga gagtcatact ccttagctgc tggcttggcc 240
ctgggcatgg tctgcttggg gcatggcagc aatttgatag gtatgtctga tctcaatgtg 300
cctgagcagc tctatcagta catggttgga ggacataggc gctttcaaac aggaatgcat 360
agggagaaac ataaatcacc aagttatcaa atcaaagaag gagataccat aaatgtggat 420
gtgacttgtc caggtgctac tctagctttg gctatgatct acttaaaaac caataacagt 480
gtcttctang aagcccagac acatggagaa attcttgagt gtttttggnc gataagtccc 540
aanatgaagg ttccagccaa caagcttggg gatcanccca ttaaaatgtt gaantgaagg 600
aaagcttttg aaaatnggtt tcaaaccccc taacccccccc acctggancc ttcattaagg 660
aagacccccc aaggaaatgg aagaaaatca ncctggggnc ccaaanccct taaccaaaaa 720
nccctttcaan aaaatttccn gaaaaattaa aaaattaatt tccaattctt taatttttttn 780
aaaaaaaaaa aaaaaaannn nnnnnccc 808

<210> 2080
<211> 1361
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1361)
<223> n = A,T,C or G

<400> 2080
tntntnnctc nnctttttnc nnnccntcnn ntcnntnntc nttctntnnn nncncntntc 60
tntncnnncn nnntntcncn tcnnntnctt cccttcttnt tnctctnnct nctcnntctn 120
tctncctnnc ntnntntntn ccccccnctc nctnntcctc ccccccctctc nnntnnntnn 180
tnnttnnncc nncnangtng gaanccnnnt ttttctntta nctttttctcn ccncccttttt 240
gtctnncttcn tatnccttnt ccaccncnnn nttttttttg ttggcctnga tnnctcccnn 300
cncttgnggt ncacttttnt tntnnccctt cnccncctta ncttnccccc tctcntctnt 360
cnttcttgcc tncttctctn tcctctctca cccnccgttc nncttctctt ttacttntcn 420
ntnccccctct ccccttcntt ctncccccntc tctcttttcc gacntcntnt cctccncntt 480
ctctttgctn cctncacttn tcntctcnca ttcttctctc tctccntncc cttccggnct 540
tttncttnnt tcgnnntncc tccttcnntn tctccntttt nntcnnntac ntcccctctc 600
ccnttactcc cnttcctctc tctctcctcc tnctcccnnn ncctctnncc tcttcctntt 660
ctcttcnnct ctcccntttn ttctnntgcn tctctcncct cctntcctcc ttnnctnacc 720
tcntnctnct ntcctcntct tcttcttctn cgacctcacc tncntccctc tncntctctn 780
tcctctcttc tctccntcnn tctctcnntt ctcttttctt ctnnccncnc tttgcncnct 840
ctcctttngg nntnctttcc nattctnttt tntcntcccc tctnctcctt tnttttctc 900
cnctctcttc tctctttccc atnnttttin cnnnctnttc ccnnttcttt cttatcntnt 960
ntccnccttc nctntctctt ctctcttcca nncntntctc tcntttncnc tccctacnct 1020
tntccctctc ccnctcnttc ntctcttnct ccctctctct acccacttct nttctcctta 1080
cnntctgctc nacnnttntn tctnnctctg tacctatcta ntttcncctt canttactcc 1140
ccctnttctc ctntttctct ntnctctntt ctctnnctcc tnttncttcn ttcctcnttt 1200
ctcctctacn tctnctcncn tcnatctnct cccntctctg tctcccttcc ctttttctcn 1260
tctattnctc cttcttcntt nctccctctg ctcctctcnt nattntctgt cntctctctc 1320
ctcttcttct ctttctcgtc acnccgcttc ancnctttcc t 1361

<210> 2081
<211> 740

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(740)
<223> n = A,T,C or G

<400> 2081
ctgcactgca agggaggtga gtgagaccaa ggaactacac ccaccaagat cccttccaag 60
ggtctaagtt gcttctntaa tcanaaacct ctcaaacctt tgcgactgtg cacataggtc 120
ccatgatggc tttggcaaca tttacctggg accagggtga acttcgtacc atgtattgca 180
tatgagaaaa gaaaagaatg tttgtcaaac aaaccactat gttttatttt attttatttt 240
agtgttgctg gtaggtgtgt agtgagttct cagtgtgtgt gtgtgtgtgt gtgtgtgtgn 300
gcagtttttt ttttttttg ggangggtt nnnctttnc ccccnggnng gngggnannn 360
acccnatttt ggntacccan ancctgtnnn nccgggttaa angannttct nctgnctaaa 420
ccnncccaaa nnnnntnaaa ttncnggggt gttccntncc cnccnantta atttttgnc 480
tttttttnnn aaaancnaga nttnncncct nttngnnggn cccngggntg gnanaaaaaa 540
atnttccngg gccnaaaaag gnaancccc cnnccnttaa nccccatnna aggnngngng 600
gnanttnnag gggngnggac cccctnggct ctcggtttta anggggggnt naaaaanngg 660
ttttncctta aaggnncctt gnnaatnccn anaaaaattt ttcnnncngg gaanngcttt 720
tctggncccc ttttngggan 740

<210> 2082
<211> 727
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(727)
<223> n = A,T,C or G

<400> 2082
aagttcaatc cgcacgaggt tcatncataa tgtagcnngn ntcagaagtt catttctttt 60
tatggctgaa caagattcca ttgtgtgatt agattgcatt ttctttatcc gtctgttgat 120
ggacgtttgg ggttgttcca ctttttggcc attgtgaaga atgattcttt gaacattgat 180
gtaaaagatt tcatgtggat atgtattttc atttctgttg gctgtatacc ttgcagtaga 240
attgctgggt tgtaccttta actttctgag taactgctca aacacagtaa acacacagtt 300
ttccagtttt gcagcactat tttatgttct taccagcaac ctgtaagagt ttccactttc 360
tccacatcct cgccaacaat tgtcattgtc tatctttttc attatagtca ccatagtggc 420
tgtaaagtgg tatctcattg tggtattgat ttgctttacc ttgatgaagt aatggtattg 480
aacatctttt tcatgtgctt attagccctt taaatacctt gcttggagaa atgtctattc 540
aaataaatct ttttgcccat tttctaaagg agttaattgc ctatttattg gtgagtttta 600
aaaaggcttt agatgtgcta cataccanac tcttaccaga agtganttaa ttgcaaatat 660
tttctcccat tctatngggt tttcttttca ctttcttgga tagnggcact tggaganata 720
aaatggn 727

<210> 2083
<211> 727
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(727)
<223> n = A,T,C or G

<400> 2083
aagcctntcg aatcgcacga ggttgttgtt accgtgtgcc aangtgtccc atgtgggttg 60
tgccaggtag agaaacagga agtcaatcat ctgtgacagt ctctattctg tcgttttgct 120
ccttggtatt tgatttgcac tatatttagt tgaagcctgt tcactgttta aaaccggagg 180
tatcttcaaa ggcatggaga cctggttcca gtaaatgtcc caccagtggg gtatagaaag 240
catgctcatg accctgccgt gtcgtctgag gtacccgttc ttatcctagt ggttcaggaa 300
gagaaaacgc agtttgcact ttcaagacag cttctctaag gctggcatgt tatctccttg 360
ctttgctttt tgccgtttta aaatgtgtaa ttgttccagc attccaatgg tcttgtgcat 420
agcaggggac tgtaaccaaa aataaacatg tatttgtgta attggtttga agaagtcttg 480
aatagctctt tactgcttac ttggggttga taagatttga gtgtttgcaa ttttttacta 540
aatgtagctc caaagtctta aatggcttgg ttgttcttaa actggtaatt gatgaaactg 600
tgcataagtt tacaatgtac taacttattt tgcttattat atataggggt ttattgggaa 660
attgtaccnc acacttcagc atgatgaaaa taaaaaataa gtggttccat ttaaataaat 720
ggtttat 727

<210> 2084
<211> 1126
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1126)
<223> n = A,T,C or G

<400> 2084
nntnntnnnn tanntcnnnn tcttannntg nntnantcnn nntnnnnnan tnantnnnnt 60
nttnntttnn nnnnncnnnn tananctnnn nantnnnang angnnnnnnn nnannnnnng 120
anntatnnna tannctnata annntctacn nattnnnncn cnaannncgc cncnccnann 180
annnntannc ccccanncnn tnntctncnn ctnnnnnana gntntanana tacccngggg 240
gggttcnata ttcatnaacc aggnnncnng nnaaatacat anttccagac tgatacttgg 300
tggggnngcc cacccttcta ccttggggtg cctcatggcc taccccaggc ttttttntcc 360
actgggtccc actgttncct gganacaaga ngggctagca tgctgtcatt tatctgaang 420
gntgtggctg acccattctc ctgggatttc ccaggccacc tcctcccttt ccctttccct 480
cnacttaacc caaactttgc ntcagctgga tgctattgtc cctggatgtt ggcctttact 540
tggtncgang gttaattggc tgnntcttgc cttgccatag gaaantnttg gctgnnnatt 600
ttggcaanat gtgnggaaga aacnngtntn aangaaaang ggaaccnagg agtanttgga 660
tcaaanaatn aanngngggn gaatgggggg acaagaagga naatatgggg gaacnttnnt 720
ccccntttgg nancttcttg gccctttttgg ggcccccttt nggaanattg tggnnncncg 780
ggtaaaaata annnntttan acngntnggn nanccccttt gtnaaaaaan atannganaa 840
aantggnana attnttttaa aaaaancccct gnttttccan ananaaaaaa cacatttttt 900
ttcctttggg taaaaannaa ncnttgttta nnaaaancnt annttcnnn tnnaaatnca 960
tntnttatta aaaaaanaaa cggnttntat tttttaaacc ctcccctgnt acnnctaaca 1020
aaannttttc ntcttgnncc canaaaanan aaaaaaaann ttactccagt nntattgccn 1080
cntntcaccn tgatgnnggc nctttcttgn gctttttaat aaaana 1126

<210> 2085
<211> 721
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(721)
<223> n = A,T,C or G

<400> 2085
angttcgatt cngccgaggg taattaataa gcagacaaat cagaaacaat atagaagatc 60

tgaaaaatag agttgaccag ctctaatggg tccctgtatc caatagttag agatgggcat 120
tgtttttagg cacatgtgaa ataatggccc ccccgttctg gcccagcaga aattatatac 180
ttggcaacaa gtctcatcac attttaaata aactgtcaaa aagataacat tctcatgttt 240
ccgcaattta attttaaaat gaaattaaat ttttttgaag gtaaaataca ttttggaaat 300
ctaaactgtt taactcttag aacgaacagt ggaaaagaga aaatataact gaatgataag 360
gaaaatatat acacatcaga ttgatgtgat gcagccaagt ggcatgtaga agaaactcta 420
gtattagtat aggtttttcc tatactttcc atgtagtatg aacattttat ataagtattt 480
taaatgctta tttaaaaaag gaaattacag agttaaccaa aacaaggatt tgtagagaaa 540
aggcatatgt aaggaaagaa gtagtctggg cgtggtggct cacgcctgta atcccacacc 600
ttgggangca gangtgggcc agatccctga ngncangagt tcgagaacag nctgaccaac 660
atgganaacc ccgctnttct aaaaatacna aaattactgg gcgtggtgat gcnccccctgt 720
a 721

<210> 2086
<211> 1036
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1036)
<223> n = A,T,C or G

<400> 2086
cnaccnccct tannnnnnnt ncngnntanc ntngcnangg ttttnntnng naatnnanct 60
accntncttt acgncgntnc nntannnntt nancccnann ntntnngctg nnnnaannen 120
ggngncanna nncnnactnt tangngnnnc nnttntctnn ntngtacgct ntctnatana 180
tgtncgtnnn annnctnnnn nngccncccc ncctccgnnn ntancnnccc ccncntnnnn 240
nnnnnnnnnn nnntangang atcgnattcc gcacggnggg gtntcttctt caatcagccc 300
ccccnggggt ngggctctat ngnaatggaa ggngttcaac gcatnttttt tgnctgncnc 360
tttttccnac antacggggg gnnttttnnt nanncacccc ctnttgtacn catanngtgn 420
gaattcngnt nganancnct ttcannnnta nnnnccttgt tntnacnccn ctnntnntnt 480
ttcnnngctc anatntannt cngtnnnttc ntnccantct naacngtnnt cnnccacant 540
ttgnattntn nnctacaaca tncnnttatn ttnnccnctn tntcncacnt tttcnattca 600
nccacannnc tntctannnn cnctcaccnt tcctnccnnt tcntncgnta ctcnntncnc 660
tcntcnncna nnnctcactt gnncgtgngn atactcannt aantctannt cntnnttctg 720
nnnnantcat tctnncanac gttccagann angtctatnc cntacnatat attnacatna 780
nnancncnnt ccaccntngt nnatgactac ntcnnnacgn tnataactac tcacntntnn 840
gnaanactan nttactgnng cgnatctaac tcaccttcct ccaacataac nntatcnaan 900
ngtntanngt atgcactant ctatctctat ngcncanaan atnnctntat ncgtaantnc 960
acancnanct attntacgct nctnacnnan ncattcgtan atctacatat ncttactatc 1020
acaatcgacn tagncc 1036

<210> 2087
<211> 1694
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1694)
<223> n = A,T,C or G

<400> 2087
cnncccccna nntnnccccnn nnnnnttnna anccnncnna ccnnccccnnt nngnnnncct 60
nnccccccca cnnccttcnt nctantnncc ncnctnctnc cccntncnnn ccnncctacc 120
nngnaaannc ttnanantnc nntacctttn ttcnncannc tggngtcttt cnnntccaan 180
nctntttncc nnnncnnacc nactcncnta cnctctcnnn tntnntncng cnccccccccc 240

nncncnnnna nanntccccc cncncnccct tanncanntc atntnnnnnt nanngccntn 300
ccnaatccgc acgggaggtt tcntactgcc tctnnnaccc ccggngtcaa cattntnnat 360
ccacctnccc cnctatacca cntcancntt tttntaggcn ctagtctnan nanctncnct 420
acatctnggg ggggcttttt tttntnatnt ntantctccc cccacntctc accccccccc 480
tncatcaacc antcatannc cnctctaccn tntccttttt ctccnctcnn cnangctatn 540
actcctncac nnnanttcnt cnganagacn annccctaca tatcatctac ntactatntc 600
tnctactact gnaactcctt cctanacgat cnttcnctnn ncncatnatn nancntctat 660
ctntacntnc nctaantntn ctntctcgnn cacnctctac aaantcatnt caancactcn 720
nancccactt actatcgcan tatataccta gtntgcnanc atcntncact ntcnatnntn 780
tcctacatnn ctctcatctc nctntnatcc tcacntcncg ntcctcncnt ntnnnactcc 840
tcatnactct nactatcgct catnctanac tnacnctcgn ntttcnctnt atccacgttc 900
tatntcnctt nactacnatc tncttntctn annaactnaa tttntntnac atctctntac 960
nnatcccntn nnnacncntn tttaccttcg gtcnatctcc tttcctcttc tctcttacgt 1020
atctctncct ancacttnac cttgcattcn ccnngtcatc ntnctacctc actctcannt 1080
nnatntcann ctaagctacc ncttatancc tncannnatn ctccnaaact nctcacatcc 1140
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atcagactan ntctcnccnc ccanactttn tcttatctct nctcttacnt ccnaccncta 1260
cgtcagtatc tctcccacnt cnacntacta tatcccnntc tccntctcnt nnctgntatn 1320
tctcgaatac nacaccgnct ccatnntatn tcnttatcat tancntctct ctacgctact 1380
cnccacnctn accntcctan ttnnccnctc tacttgttct ntaccntgct nncgtccact 1440
ctgncctctn atctcttcnn tatttactct aactgntcta tcctccncct cacgntatcn 1500
cncgntcact ntcttannaa atnatgcnac caatctctct cnnnantatt cngtatatcc 1560
gtcactatnc ttacnctcnc atntcatcnt accacntctc tgttnngtca ctcnnncncc 1620
ctcaactctc ctccccataa tntncacctc anactncaac tntncgtcct tcccatacct 1680
ncccnctttnc ccca 1694

<210> 2088
<211> 920
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(920)
<223> n = A,T,C or G

<400> 2088
ngtannnnna aggnnttgna tcntnntant gaattttgaa tgngnaactn nngcatntgn 60
ttganacctt ccaaaatggc cccagtgatc cnatctccta ataagtncat gtnngtgngg 120
ccntatncaa cactgcttag gaatgggctt ncgnaaaccc aattggtccc ttgaggntgt 180
gatggcaatn tgacctttn aaggctnaaa attgtaaagg aaaagaacac tggggnnttn 240
cccttccntt ggttggnntt ggggaaccgc tttngcttct tgggaataaa gcccattaag 300
ntcantgttc cnnggaaggg ataccctcta nnntttggcc cattttnggn aanangggtg 360
gccaccaatn ggtggaanna aaaaatggaa ggccctnacn tngcnccant ngaacctatt 420
ggttaaaagt tgannnccna tccaccgngn aagnantacc nccccncatt agccccccttn 480
aatcnagccc cctttcngaa tttacttggc ccccctttnn gntaagcnat ttttgngnac 540
tncaantccc nattgaaatn tnggccccaa agcccaanaa ttttccccan naaaaangcc 600
cttnccccaa attttctgnt tcccnaccaa aaaaantggt tccaaaanaa ttaaaaaaat 660
natgncccct taantttttnt nggánttant tttngtnggc nttggcaggt tactaataac 720
ctaaatcttt nccctcccnt ttggaaaacc nttttttttt tggccggggc aancgtgggn 780
tttanttgnn ttngtaagcc ccaattantt ttnggggggcc cannggnggg tngnaannnc 840
ccccggnttn ggatttagna aatatcccac cctantttgt naaaanctnn tttatttnaa 900
aanacaaaaa accggnngng 920

<210> 2089
<211> 769
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(769)
<223> n = A,T,C or G

<400> 2089
cnnttnnnnn cgaggcacgc ccccttttct ccgccacttc accagtttct gaaatccaac 60
ctcccagact tcacaggaag atagatntnc ttgagataat gaaaagtgat ntcttcncnt 120
ncgaaaggaa aaaaggttga ggtntatatg atttttaact gtattagggg tgtatgaacc 180
agtttaaaaa cgaggtttta tttactgtag nagatgaatg caaatcagaa ccaatgatcc 240
cttggcctac ttagttaaaa ccagttcata catcccttag ggtttttatt attatcatta 300
ttatcattac agctgttatc gttgtttttg ctgttattat natttggggt tncttggtgt 360
ttttttctttg cgactctcca cacttaaact tgcaatattg tggggagaag ctgtgactaa 420
actctacgct gcggtgagat gtagcagcaa tcagctccca ccgacgtgtg tanctggggc 480
tgccgctcgc aataatccta ttgatttaaa gcttacttac cccttgatct gtnccctcnt 540
agtccatang gtcttgccac attttattta gtganggngg agaaacntat ttatttgttn 600
gntggntttg ccccttcccc cnccccccaa anattaaact ggggaaaatt ngngaatttg 660
cttnaacctc tcggggngaa atcnataccc ttnattttgc catggnccnn cctaattggg 720
tttcctatac aattttnggg tngaatnctc ttttctcccn ttccctcnn 769

<210> 2090
<211> 1058
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1058)
<223> n = A,T,C or G

<400> 2090
ttttgnaanc ccctttttnn nnnnnntnnc ttngnntnct ttttttttgg caangggaat 60
nccccccatnn nnnnattccc gngcnnaagg nnnnnnaaaa aaaacggnaa aaacccnaaa 120
aagggnggga aaagggccca agggggggtt tgggggggcc cccgtggggc ntttgaaaag 180
ccccgggggnn ttnccccccaa aaccaaaaaa ttggcntttg caaacccaaa aaagcctttt 240
ggggncngcc ngcngggnnc nnccgggctt ggtttggcaa agtctttttc ccagcccttg 300
gggccctggg caaaggggggg ggccgggggg tgggggcngc ttgccaaggc cgggggtngc 360
tttcttcgaa cgccactttg gcttcccgga agggcttgcg cccccggcng cccttgggaa 420
acccgaaggt ngggaaagga accnggttgg gtggtcaacc cttgcttcgg cccttnagcc 480
cttgccgctg ttgggggggcg ccgttggcac cggaacnttn cttgcctntt ctgttccgaa 540
cacccggcaa tgcaagccgg agacaaaacg cctttaaaag cccccggccc agccctgcan 600
gtatattgca ggggcctggg ggcnggccct ggaactggcg ggccggttcc ccaatggggg 660
tgccctggaa ggctgcccgg gcangagtgg aagcactttg gggcccgtgc ccaaggccgg 720
tggcttgtga agtctagttt tttggcttta ccaaattgtt acaanaaatg gcattttaac 780
gttttcttnt tgatgcctcc ctttgaaggc cataagaatt taaggggggct ttttttttaaa 840
aaaaaantaa aaagaaaaaa ttggaaaccc cannntcnta nnaaanttct cactacntct 900
ntnnnttnnt aacnctctnt cnttctttnn cacanttctn nattnnnncc tctcttnctt 960
cctanaaacc tttnttncan gnccntntnn aattcacnnn tcncntnttn anaaacaatc 1020
ccntctcntn tntctttggt caccnanact ccttttnn 1058

<210> 2091
<211> 811
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(811)

<223> n = A,T,C or G

<400> 2091
cnancctttg aactcccngn cttttgcagg atcnnnnngn agnggnncgg ncngagatca 60
natggggntg aanagatttt ttnccagtna tgnnngcccg gnctttccag ntgggcccag 120
tnatcancca tacatagttc atngatacac ctccnccagc gggtgaggaa atgatggaaa 180
aaggagnaag aagnggccat ccgttttaac catccctcct ggattngtcc tcaagtcccc 240
aactgccaag naggatgtgn ccatgtataa atgtgngggg catgactaaa gtacccgtag 300
ctgtccttta tatncattca cctagaaaga tctgcaaaga acncaaagaa aattgaccat 360
ttaatcagta aangtgtccc ctgggctagc atggcgctat agaaagtgga caggctttan 420
agttaagnga atctgggctc atatggtagt gntgctattc atnagcncta tactgntgaa 480
caaatngctn aaactatcta attttggggn tnttttttncc atcnnaaaan aggggataat 540
aatanctncc tcataaggat taatcgggga gaattnaant aaccttcacn tatagncaga 600
aaanttcacc tacccantcc ctttcntctn acttcccttg gccccttcat taaaagacta 660
aatnccaagn taagccattc cannatgggg nanaacattn tttantccaa gtaaaaanaa 720
caacccttta nctnatcang tcttggaanc tttnaaaang ccagnaccnc ncccnaaagg 780
gnctntcaaa aaaggcaaaa tccccagccc n 811

<210> 2092
<211> 796
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(796)
<223> n = A,T,C or G

<400> 2092
tnatcctttc aactcttgtt ctttttgcan gatccnnnnn ntcgaattng gnacgaggtt 60
aattcattcc tttccctgan ngagactggg ctctgggctc cctgcgtggt tttnatgagg 120
agcagaatag agctgcagtc agcagggagc agggctcatt ctggggagca gagacaaata 180
gagaacagta tctcttgcta tatgcagggc actgcaactt acaaatcaca gcgcatggcg 240
aggacgaggg ttggggtggt acctctcacc atgtctccag ctgttccaac ccgtggtcaa 300
tgggagctct gatgcaggct ttttgctgct gggccttcca ctcctccaac tttgcagcag 360
tagctcgatt agggtagtta atccggccta gcagtgcttt ggaggcatcc agcacctctg 420
ggaaagagat aatgtgagtg ttgagcatct ttccctttca ccctccacca cccaactggg 480
gatgaagaaa caaagaagcc agcgcttaga ggaccagggt ccccacatcc cctcattttt 540
ccaagtcctt gttgnccaca tgttctgtcc tctgtctccc acctttctct tttgtccagn 600
tcattgagag tttcctgcag aatcttctgc ctttggtctg atgggggtcc aaaaaagggt 660
ggcttccctg gattgggngg gaacnaggag tcaatccaag gcctttanaa ctatnagtga 720
gtcgtantta cntcnaatnc nanacctgaa aaagatacat ngnattangt ttggacaaac 780
cccaactagn aatgcn 796

<210> 2093
<211> 946
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(946)
<223> n = A,T,C or G

<400> 2093
ggcnnttnaa acccttcngc tacttgttct ttttgcagga tcccatccga tncgnnttcg 60
gcacgagaat nccttttaaat ccctgggcag caccgtnggg gacaggattt acccgncaac 120
agtggtgatt ctactttcta aaaaccctga gccctttttgn ggggngcacc agatnaaacc 180

cgggggggcat cattgaacat gcaggggcag attgcagaag cttcagttct gggaaaaaga 240
gaangngggg gactttgttt tgctgngccc ctctcttccc cgnggngaat ggatctactg 300
gtgtaggggg agggactttg ngcttctact ggtttcaagt acaagncact gggcnnnnnt 360
ggagaagaaa cttttganca ggtgcnncga ngaagggatg tgatttgggt atttggcacc 420
atcacccctc aatcagnaac cttggattgc ttaccctacc aggtggaaag aatggggnct 480
tccttaaaag cctcttgggg aaacccctta aatttccaac ctttttttctt tttttaaaat 540
caagccttcc gaaaaggnca ttggttncct ttaaaaatgg aaaagcntta tttccatggg 600
taaatggngg ccttttttttt ttttttttgg ccccgccttt tttctttaag cccaaaataa 660
ggattngggc ctnggaaatt aagtccncca ggaattaant ttttgggggn aaaaaatttc 720
cattgggttt tnaaagttan cccaanctta acccccttttt nccttttttt tnaanaanaa 780
atttntttaa angggggaat ttangggntt naatcctttc ctttcctaaa accngggggg 840
ggcccgggtc ccncctttaa aanggggttt tncanttttа aaatccttcc gaancctggg 900
gangaagggg ggggaaaaaa nancctnggg ataatttttc ctancn 946

<210> 2094
<211> 827
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(827)
<223> n = A,T,C or G

<400> 2094
ttatccttaa actcttgttt tttgcagatn nntnnnacga ttnnnncgag gctgcttcgg 60
ggactcagcc atnttgctac tgaggtgctg ancgccgtcc tcaaggntct ctaccacctg 120
ctgaagcacg tagtgtgtct ggagcccgat gacgtggcca agctccatgc ccagttggcc 180
ctagaagagc tggatgacat catgaaaaac ttcctgttcc ctccacagaa gctggagaag 240
aagatcatgg tcctgccgta gacctggctc caaggacgtg gaggaggcag gcagggccag 300
gcacccagag cccgtgccca ggtcttccag caggtggccc tgctgcctct tgagtgctgg 360
cagcatggct gaccctcggg gtggttttat ggtgcangtc acttgggtct tcanggtccc 420
ttccgagggc atgtgttcag cactcccgcg tttcagcctg aggggtgtac agttaagaag 480
aagacagtta cagatctcat taatctacat ttttcactgt cctctancat tgaaagaagg 540
atgtctacct ggtgaaagta tattttaaca tgactgatgg aatttcacta attgcccact 600
cttcttggna cttgaaggan aaagcgggtt ggccacccca ttttgtcacc taacctctat 660
anttcttttc aggcctgaaa aattctttcn ttcnnggaaa aatgaaggaa ccagaacntg 720
ggccncccctt tggcttggtt canaaangca ttttcannaa ttaaggaaaa tgccaatttt 780
ggaagttggg ggaaggggna aaggnaaata ntttnttcna aataaat 827

<210> 2095
<211> 961
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(961)
<223> n = A,T,C or G

<400> 2095
gcaggatnnn nnnnnnncga attcggnncg aggctnacnt aagtcaaatg cagtanacaa 60
tggatagtca tcacagattt ttgtacatgg gacttcacat accttaattg aatatccatc 120
gtgtacaaaa tattgctcaa gcaatgtagg aatcaaggga ataaaagctt attctgatnt 180
tatagagcat ataacagcca tgtaaatatg catggtatag agaaatcagt ctatgatgga 240
tgtccagcaa agttgcagag cattatatan agttgctttt gatatgagcc ctanaataaa 300
ttgggataga gagggagttg gggaatttga gataattttc aaagaaaaat aaaatatggg 360
gacaaaaaac aatagataac aatcaggtgg ataagctata ttttgaggtn tttaaaaatt 420

gtttttaca aattaccccc tngtttttgg agtattatta tccttngccc aaaattcatt 480
tccttaaata aaaatatttt ggcctggaat aaaccctggn ggtggggnaa ataaccatta 540
aaaatggggt taggggtaag gaaaaanttt tggggaaaag aaaatcccct naccantant 600
tttttccaag gttnanccat ttcctntggg gggaaaaaat tccatggcct tttaaaaaaa 660
atnttggaan aaagnttnna aaaggngccc tttggggann actnaatttn ttaattnccc 720
cctaataaat tttgggggcc ccccattaat tngggnattt ggnccccaaa atttttccc 780
nttnggnaaa nccccccctt taaaccattg gcttttggna aaataagggc ccattgntng 840
gggnaaaccc tttccttnaa atanaaaaat anttttnggn gggnaatccc aaattgggga 900
anaaaanccc ccntnnntcc cnnctccccn ncncncncnn cnnnntnnnn cnnccccccc 960
c 961

<210> 2096
<211> 828
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(828)
<223> n = A,T,C or G

<400> 2096
atccntnnnn ncanttnnnn tttnngagca gggatcttat aaagggcntn aaataagatg 60
tgtggttcac atagatagng agcgtaacat ctgtattaaa cataggagag aagtttataa 120
agggcattgg caataaactc tttgttgcag ctgtnttcca agcagtgtaa atacttttc 180
ctgtgattat gtatagcctt ggaatggcac cttttaacta acccatatgt gtttggtttc 240
aatggntttt tatatncaga tgtatatatg gtgctcactt ttaggatcag cagtgttnac 300
catttatgct gcatagctgt attattagcc ttattagttg tgtggttgac ccctnggggt 360
ataccaaatg tcantctgag tggtgtctta ctcctttgtt tataagtgaa tgattgccat 420
gttntgtatg ncatagtatg ccgncacata aaaagggagg gagccgaaaa accattacat 480
taaagataat atttggaccc aactacttta cttnctctaa acantncttt ntccccntta 540
acctnnccnt cnaaaanttg cnatatagtt accagcnatt gntntaaaan taaaatnttg 600
gtgggnaaaa acagcccttg ggnctcttcc cnngaatggn ggggncttnt tcntaatttn 660
ntcaaannt ctggtcccct ctcgggccaa tttcnttttc tgggtnttt aaaaaaaagn 720
nggaccaann ntttgcaccc ccctnttttt aaaaaaaata tncttgggcg nnaaccccat 780
nttaaanana ntaattcccc ccccacgtgg aanaattgga cgttnncn 828

<210> 2097
<211> 868
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(868)
<223> n = A,T,C or G

<400> 2097
taatncttnn nnntnnnnnn nntntgcang atcnnnnnnn tcaatncnnn angaggggac 60
tcgttaccat cactcccacc acaggctccg atgggcgccc agatgcccgg gtccgcctcg 120
accgcagcaa gatccggtct gtgggcaagc ctgctctaga gcgcttcctg cggagacttc 180
aggtgctgaa gtccacaggg gatgtggccg gagggcgggc cctgtacgag gggtatgcaa 240
cggtcactga tgcgcccccc gagtgcttcc tnccctcagg gacacggtgc tgctgcgtaa 300
ggaatctcgg aagctcattg ttcaacccaa cactcgcctt gaagctcaga cgtgcagctt 360
ctggaatacg angcgtcagc ttgctggcct catccgatcc ttctctgagc gtttcccaga 420
ngatggaccc gagttggagg agatcctcac acagctggcc acagcccgat gcccgattct 480
ggaagggccc cagtgangcc cccatctggg ccaagcttga ngaaaatgtg ttggccttgc 540
cccccaattc catccanacc aanggntgca aagtggccct nncattcctg tgtgtattta 600

aggggcctgg gggaaggggg aanggggcaa ggaaaccttg ggacctttgg gtacttacct 660
tnaacttgaa gggtnggtgg aacaccaacc ccctttccan tttgtcaagc aacttttttc 720
caacccttgn ccaaattggg ttttcccccn tcntggggga atcctccaat tttcattttt 780
ggcacttgcc cattaccctt gggaggtgga ngccaaanaa aaaaggggcc tttaaccaat 840
tccttgttnt taccccanat tggaaggg 868

<210> 2098
<211> 812
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(812)
<223> n = A,T,C or G

<400> 2098
aangaaccct ttnaactccc ngnnctttttt gcangatccn nnnnnancgg tncggncnga 60
gattttcaat ttggagcatt aacttttttgc tcatacacag ttaaataaat agaattagtt 120
ctatggagac ttngctgtta ctgnttctct tgggcagtgt tagtattcac cctgggcagt 180
gagtgccatg ctttttggtg agggcagatc ccagcaccta ttgaattacc atagagtaat 240
gatgtaacag tgcaagattn ttttttaag tgacataatt gccagttata agcgtattta 300
gactgtggcc atatatgctg tatttctttg cagaataaat ggttcctcat taaactctaa 360
agattangga aaatggatat agaaaatctt agtatagtag aaagacatct gcctgtaatt 420
aaactagttt aagggtggaa aaatgcccat ttttgctaat natcaatggg gatatgattg 480
gtcaagttnt tttttccaga gttgtngttt gccaagctaa tcctgcctgg ttttatttat 540
atcttgntat taaangttcc tnctccaatc tgaaatactt ttngagtatg gctatcnata 600
cctgcccttt taagttngaa actaanctca tacattgcaa aatattgggt tagtatttna 660
actaccatct ggccncnnct cancaaattt ccgattagaa ccttttatcc cagctagngg 720
cccaaataat tngancaana agcctgaatt gnaaaaaaaa aaaanttnga ngggccaccn 780
tcctnggggg ntaaattaaa ancatntcgg gn 812

<210> 2099
<211> 744
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(744)
<223> n = A,T,C or G

<400> 2099
nctcaatcgc acgaggccat gggcactgtg agcctgggcc agctcccccct gccccccatc 60
cctcatgtgt tctcagctgg cactggctct gccatcctgc ctcatttcca tcatgcattc 120
agataattga tttttaaagt gtatttttcg tattctggaa gatgttttaa gaagcatttt 180
aaatgtcagt tacaatatga gaaagatttg gaaaacgaga ctgggactat ggcttattca 240
gtgatgactg gcttgagatg ataagagaat tctcgaactg catgtattgt gccaatctgt 300
cctgagtgtt catgctttgt accaaattta atgaacgcgt gttctgtaat caaactgcaa 360
atattgtcat aaccaacatc caaaatgacg gctgctatat ataagtgttt gtcatatgga 420
atttaatcgt aagccatgat cataatgtta actaaataac tttatgtggc actgcctagt 480
aagggaacta tggaaaggtt tggatttctc caaatctggg agaattttca aaataaagaa 540
aataaccttt atatgatata ctatgactag gctgngtatt tcttttcaag gggatttttc 600
taccttcang ggttgggatg taggttaatt actattacca ttagcccanc cggtaggttt 660
tacatataca attttctttg gggagccaat aaaagntctt ccattttacc aaaaaccatt 720
tttaaatgta agttttggaa tant 744

<210> 2100

<211> 725
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(725)
<223> n = A,T,C or G

<400> 2100
agnttcgttc cnacgagagg acatgaaaag gagtgaanng ctaagaaacc ttagctgtag 60
tgtttggaat taacacttgg gaagtcatga ttgacaaata gagaaatata aatttgtttt 120
atatcagtta tatatacata tttataactg atataaaaca aattagattt tgacattaga 180
aacacatata cacatactgt aatatgtact ttcttcattc tctttaacct atattctggt 240
tttaagtttc ctggagcccg tggagtaatg ggacaggaag gctcagaggg tctctttact 300
gatagttaag atacaaaaaa aactaggcca ggcgcagtgg ctcacgcctg tgatcccagc 360
actttgggag gccaaggcgg gcggattatg aggtcgggag tttgagagca gcctggccaa 420
catggtgaaa ccccatctct actaaaaata gaaaaattag ccgggcatgg tggcaggcac 480
ctgtaatccc agctctaggt aggctgaggc aggagaatca cttgaaccca ngaggcggag 540
gttgcagtga gcccgaaatc gcaccactgc cttcanactg ggtgacagan caagactctg 600
tcttggaang cgggggaaga ttcccnnnan aaanntnnna nntnnnnnnt nnnnnnnnnn 660
nnnnnnnnnn nnnccccncc cccntaaaan ntttnggggg gntttntcaa aaaacccnaa 720
aaaaa 725

<210> 2101
<211> 925
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(925)
<223> n = A,T,C or G

<400> 2101
cnnnnnnnnn nnnnnntnnn nntnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnntnnnn 60
nnctnnnnnn nntttnannn nnnnnnncnn nntnnnnnnn nnnnnnnnnt nntcgcccnc 120
cccccnctnn tnnnccctcc cccnnntnnn nnnnntnnnn nnnnnnttan nattannaca 180
aggtangaat ccgnanttta ttncttacan atgaagaatn catgnggagc ttgcttaata 240
aatcccttcc caccccaagc ttnntttatg actgataact agctccagct ggctttannt 300
tcagtatccc tagtgagctg actttcccca tcttgctctc ttctgcctac ttttctgntc 360
cttctaaaca ttgtttgcac tcattttgca tctggttact actaccttct tccccacgta 420
ccattttaaa gaaaactttc cagccttcct tgtnataaac ttcagccttg ccaccattac 480
acagattaaa ttatagcaag aggttagtta atttcctcag gggtctgtaa tccttactta 540
ggtccggttt gccagaccaa cactctttct gcaagtacta acctgcttcc tacattgggg 600
tgggtattta agacccttta atggcatctt gcaattatta agataaatga gcaanaatta 660
ttaacccaat ttacattggc cctgcatgtt ttttcccccc gcataccaca ctanccctac 720
ccaaagccac tgtccctgtt gctcactggt gtaccatcat gctgaccttt caagttcttg 780
ggacatacta tactatatta cttcctacca accagacttt gctcanttgg ttgcatgtat 840
tataataatc cttggaacta tgcccctcca cttccccttc attgccaatt aaagtctttt 900
ttcccttaa aaatcagctt acatn 925

<210> 2102
<211> 1296
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (1)...(1296)
<223> n = A,T,C or G

<400> 2102
tnttnnatnn nnnnnnctnn nnnntnnnat anttntttnt nnnnatnnac tnnatanann 60
tnatnttnnn nnanntcnct antnnnnctc cncnntctcc tntnnanatt tgtacatcnn 120
ntcttatncc nctcntntnt ntgntnttng ccccccccnc taacttnccc cccccacttn 180
antatnnanc nnncnccnan ngngntnaan nccnnggggg ggttnttatt ttntcctntn 240
gccccccccc cattanaatn cannttctnt tattatgagc nnnaccaaan tttnttggg 300
gtngancann ttccattntc ctgggggggt ttttttatt tanacntttn nccttctttc 360
nccttntnag ncctattcgn tgantctatn ttaatctttt cctnanantt gncntnntna 420
atnnnnttnn ntttntnnat ccnnatctgn nccntccaan ttnagtntta tattttaacn 480
ntnttccnat nacatcantn cgctagacta aactnaatnt aaaaaccttc atntgatcta 540
tnnatatttn antaatactc nnttnatttn atttanttat ttctcnannn anttntaann 600
ctctatttcn tatctntcna tttatatttc nntacnctnn ttttcttcnn ttcanntaca 660
ntncattttt catangcatt ntctactcna tntntaanac tnttntcttt nantgatcnt 720
nactttnnnt ccntccctaa tnctncttct tcctcgnttt cntncagnct gttatnntan 780
tnactactat catactanca tnctactcna tatngtntan cacgatatct nnnnananct 840
tnntnancta ntnaactctn ntnttantan nctantatat ntananannn ntntcntcta 900
ctnttccacc ttnctatatn tcttatatat anttactnta tatnanatna ccnnattcta 960
nnattntnct nnttacnngt ncanntanct catatntctt atnntcnntc ntctatntaa 1020
tcactntact tatactntan taatattntt attnannctn tnacngctac nnntctacac 1080
tntcttatnt cntacgttac ntganttant tcatanctgn atatgtntnt atagnnttct 1140
ganctanact nantattcta nntantnctt ntccatncac tnnttgctcn tacttantat 1200
tatnanatca tcntctcaca atganatcac tgnnactnta cttttntaat gcatatnttn 1260
ttgtatttat catcnactct cacnnntctn tannca 1296

<210> 2103
<211> 729
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(729)
<223> n = A,T,C or G

<400> 2103
angtttcgtc ntctgatgat nacactcact taatancnnc cgtttaannt gatgaatgtg 60
gctttttttc ccttcacttt antgntcaaa aantngtggc tattgagnan atttcttctg 120
attnattctg tgacancctg ttatcngatc nttatgtaat ctttcagnag attttcatcc 180
tttcatatcc acattcttat gtggacttgc tgaagaaaca gaatatcagt tcaaaacaaa 240
acctaggcca ggctggtctc aaactcccga cctcaggtga tccacccacc tcggcctccc 300
aaagtggtgg gattacaggc atgagccacc gtgccgagcc ttccttgaag ttttttgttt 360
ggntttgatt tgttttgntt tgntttgttt tgttttgttt tgttttgttt ttggagatag 420
ggtctcactc tgttacccat gctggagtgc agtggcacaa tcttggctca gagcaacctc 480
tgcctcccag gctcaacaat cctcccactt cagtctaagt ggctgggact gcaggcacgt 540
gccaccagcc cagctaattt tgngttttgn taagagatga aggtttgcca tgttgcccaa 600
ggctcgtntt ggaacacccg gggcttaaag gaatctgccc ttnttcccct tccaaaagtc 660
tganaatagc aggtgtgant catcatgccc ancctcttgg aagtttactt aaccaattng 720
gaaaaacng 729

<210> 2104
<211> 761
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(761)
<223> n = A,T,C or G

<400> 2104
antnttttcg aattcgcacg aggttgttgt taccgtgtgc cantgtgtcc catgtgggtt 60
gtgccaggta gagaaacagg atttcaatcn tcatgtacac agttcaaacc cnggcttgtn 120
nagccatgtg ggctgggtga tggattcccg tgagcacagg ccccgtactg cttccatcag 180
ctccagcccc tcagaaggga cgcctacagt tggcagctat ggctgtcccc tcagtcattg 240
cccaagttcc agcatccttc ccatgaactg ctcaaggaaa atggcttcac acaacacgtn 300
taccataagt ntcgnaggcg ctgccntaat gagcggaaac tcttgggcat nggccaatct 360
natgngatga acacactctt cacgctttnt ggacttcttn ntccgaganc acttnaacna 420
aaaanatggt atgacggagt tcaangcacg ctgggctctt ggaggancgc ccaaagaaag 480
gctacanatt tggtttggaa gtgccttttt cngatactac anttattggc ctggnaaaaa 540
gaannntncc ggctggncat attcnaggga ttttcangan ggaaaccggn gaangactat 600
naagcctggg ccaactntat tgggctggan naanttctgg accttnttga aatattccaa 660
agncnaaaat ttggacattt gnccccaaac nngcnanaaa nnctctggaa aaatccgacg 720
nttttgaaga cttccgaggn ngattccccc ctnggntgan n 761

<210> 2105
<211> 1451
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1451)
<223> n = A,T,C or G

<400> 2105
ccnncnaaca aacnnattaa gatnnnnntn tatnntnagt tnntttngna caagaantnn 60
cnnntgttna ntacncnnnc taanccnctc nnnttattnt atntaaatct nggntaaaat 120
ccctttgncc ccntnanntt tanaaaaaaa ntatanattt tagagagnga ctnganatcc 180
ngngggnttt ttaaaancga tannnacana tnaannacta cntnttgnta gncnaaaata 240
tnaagcngan aanatttnnn antntnnaag cgnccagnna tttnaanntt nagcnaaant 300
anncgtgaag nntnngatga caatanntnc nnnncacnan naatnaatcn acatantatt 360
ntnagnntaa acatatacng canacatctt nantatnacc tnatatacna acacactntt 420
ntcgntanga tntntatcta tacacnnnna tagaactatc gtgttnacan tnatntanta 480
tanatnacat ngcnncacat nancgagnac tataaaantn tcagnannac tctnatanaa 540
gnacatatna ttngncgntc tatacatgtc aanaaacnac ttagnataca catgatanat 600
acanaaaaac tgatntacat ccngatggnt ntataacaga tantgaatng tagacaatat 660
cttagaatat anatnangaa taaaaaanna ctnatntaaa tnaaanatgn atncatnaaa 720
nanaaangtt agatntctta gttcntacna tgngatcacn ctagatcata tataagaang 780
naaatatcnc nacagananc ttnatnaaat atanctctca tnnatnntga taanacacgc 840
tatntacgga taaattacta anntnatcgc anatanaant cnangtgtgc aaanaaanaa 900
nacataccta catgncacta ncacgataca gactnntanc gatcttnacg ngngtcncat 960
ctatattttg tanantacna nacganancc ntncgaatac aatacaanca tatcnnatat 1020
tgtatnatat atattntata gaaatnnaan ngacttaang tgtcgatgtc aatcacntgn 1080
ctatatgnna ctganngnna ncaaatacan ttactacata agatatatnn atntaatata 1140
nacaatatat tacatacatt cnantatgna nacncgaant gtnaancact ntanncannt 1200
atgacacaat cgnnaatcat nctntatnac cgaannataa atntnatatn nngaatagag 1260
acgacactat aagatnanat gtagnctaan aanactaann ntanncngtn acnnatatnt 1320
cntcgatnta actgttagtt nttannacnt anttannata tnantataat ntatngagac 1380
actcaaatna tatntacncn ntnaacnnta atagtgncta natatntaat nntntgatta 1440
tanctannnn a 1451

<210> 2106

<211> 1509
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1509)
<223> n = A,T,C or G

<400> 2106
tntnnnnnant accntannтn atntccnata nntnnannca taattncaan ntannttnnn 60
nngnancatc nnanntggng gacgaaccta nnacgcttnn cnntatatat actattatng 120
ccnncntncn nntatcccnc cntcnttcnn ctnttnttna aacntaaaaa cccgggggaa 180
taanatnnac acttccnncc ccgtctaant tnttaccana acannantac tcttncnacn 240
ttttttnntn cgaggtancn natnttctac naggggggnt ttttttnant anaaatttat 300
ctnncccttc nttaatntcc attanntatt ncanctnann aatcttcact acattccntc 360
antccnannn tanaagtcca ncccnaaacc nangacntnn accncnntta aaacacgnan 420
agatanttct nnaacnnata ctntnctccn antntnttgt tcaatctatn cagnatntcn 480
tancactcaa cnacnccant aannacntnc gnatnatntn tnataccant ntacctaact 540
ntncacncna ncacnttact ctacatnnna cttctcatcc tcgtatngna ncnataatta 600
canaatttac ctctatccan tgnttnncnn ngtnttttaa ataancttan catattatat 660
naaannctat ctatcctaat ctatgcatnn natatctatn ncttcctcac ccnaactatc 720
atnatnntct cctacnantn ttctaccnnt acatgnnaag annactaacg tnatnactca 780
catcnctaca cntaanncct ntnanctcta ncccaannan acnnnacaca nncttacnta 840
tnnctancac antnatctcn ntacnaannt tactctantt tcgagctana cgatantcaa 900
ngtatnttnn catactctcc cncnnctttt tataattann nacnngaant cacanntctc 960
aacnnaccct aanctatatn actatcnacn cgantnntnc ctatnnttgt atncnaanta 1020
nncatctnca gnacnctgcn ctaacncaat atctcntcac tntgtaanga acntcactat 1080
ttatcacctn annatancat ttatanttag naacnnntna tanatatact tnnctatctn 1140
nncnnacctt anctcnctat ctacgntanc nctcnnatcg ananttatnt aannтanaca 1200
nnctacanta cgnattgcan cccnacnana ntatactacg atccntatgt gnattccttn 1260
tntcccacna ntnntnanac tatcantatc tattncgncg nacaccacnc naatncctca 1320
cctaacattn ncacacaccc ctncntttcc catgnttttc aaanatacat cnnntcatat 1380
agctancgca tntacngctg cctctacnat ctganggntt atatgcaaat nnatcatata 1440
cancntnatg cnatatacnc ncatanatac atnctccatc nnntatntac tatntacncg 1500
atgcgccca 1509

<210> 2107
<211> 1314
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1314)
<223> n = A,T,C or G

<400> 2107
tnnnnantnn ntnnnnnntn nnnntnnnnn nntnnnnann tcntnntnaa nncnncaatn 60
attcnacata atactannga tgttcnnttn nnngaatntt ancnntatct ctcantatnn 120
antannanat ntatntnccc cccnctatct tancnccnac tgcatcannt tntnntnaag 180
nanntcgaat cggnncgnan ntnantnant attatggccg ncnagnanan actnaaccag 240
gatgtatngc agaanctact tctactcatn natcaacntg ncaannгggg gnttttttaa 300
nnaccccatc tnnacaggtt gatcnatacc anggcttggg aagagcaata ccaacaagat 360
ggctttccca nagactgaac ttccgtacnn tttacatcat naatgcaaan anctanccaa 420
atcctnggan aatncaaaat tataannaag aacccttnaa nctnttttat ttctnactcg 480
tntngtnnaa aagtatnctn ctcnncgacn ntcttcanat ttctttactn tgntactttn 540
ntanacnttn aatntcactg antncgngnn tnacntattt ngtgnattaa cttatntatg 600

tctntataaa tcacantata atgttatgtc taatnggnaa antttatacg nnttacataa 660
cttnnctnta nnnctgtaac agttntcagc aactatcnnt tatctngctn annctntact 720
ccnntacnat actaatanaa anctctntct nntaanacat tcnntactna aaganctana 780
tnttntncat atnaattcta acntngacta cannatnaat nnngatncat atatcnaatc 840
ntatacnatc tcntcttcnn nnaaanancg caaatnanac atatgtgtat naaaatacnn 900
tatatatnnc ntttacnnnn ttctatcnta taaatnntnt acntctaatc gtgggnatta 960
tatntatcnn atctnccatt angcccnttn ggntacnana tattcnnctn accntncnac 1020
gntactanac tanacatatc tatntnccct ctcntacgca nattattnct attcctcaga 1080
tanttccaac gatgaggntn gatacntnnt nntttacgct naanaantac aacataaatc 1140
tctcntatcn atgtntnnan acaatcaana cattntcnct acttncgaca caacaactcg 1200
ctntctcatn actntnncna ctcactatnt aatatananc agannnnncn tatcatctaa 1260
gcaccccant tntnccatta ntacttngtt attacatcct ctnctctctc nnca 1314

<210> 2108
<211> 1456
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1456)
<223> n = A,T,C or G

<400> 2108
ncncncacnn ttnacnncan nnaacgacat ctcnanntat annnnngant anntncacan 60
tncnnnnaac tcnccccccc cactcncccc cnnntncant ttaancancg cactttctgc 120
cttaaaaaag caccnnntat actacagtgt aaacantatt tnnttnacct cnantttgnn 180
gcngnccccc tcnncacctc atgngggngt ntttttttaan ttcancatnn ncccatntaa 240
ntatcaatat cgnnantnca cctcnanata gttgtnattn tctaacttan caacnataca 300
ctacatacan actnanacnt cctagtgcac ntanacnnan gcatacnnnc atnntatcgc 360
aancaaccta ntctctngta nnnnacngtc atttnnnact catatcctna tctatacaan 420
aanncnctaa ntntatatct acgtannctn tnacaaatca ntaacnaana tcnnacntnt 480
acatatcgga ctnntanctt acnctctcat tntctttcnn tnaacatacc gtantnnntc 540
gcaactatan atngacatat atncngtacn ncannnttac tntctcncaa cgcatannna 600
nanncanncg caaaanatac gcaacgcatn tnntnacgca angcnatccn atannattca 660
tnnctnaact cntatcgcta aactnattca taactngatn acttacccta nnatctnacc 720
aatntatntg ntcaccccaa nnncttnagn atnatcaatt ctnnnnnctc tnnccnccnc 780
tanagaaatg nctttntaat ctttnctnac gacttaccna atctatgatn taanctctac 840
atcacnanac antacannna cctanncnat tcanaagtan atcntacnna cgcgttagna 900
nacctancna cnacncatca anantcgtca nacctatcta tcgactcnnn cgnacgtatn 960
ncacncncac natcgcntna cacanacnac nacnntangt tactaaccnt ctagatctct 1020
tcanaacnnn nnnaactcna ncatcgtaat ccacntattn cctntaccac cnatcnatct 1080
ntanttcnaa tcgnatctac acntntactn tacatctacg natcncatca antanacaan 1140
ntanntccnc atantnctnn ccaatgancn aananacgta ntangcnatt ncntcnttcn 1200
caacgttnta tagntancnn angtccntna catagcagnt tcnntctann tnngatatta 1260
cnatnntanc acntattatc cctntcacnt tctattccnt tnnaaatcnn atncctatna 1320
tnannccact tatcnnnccn atgcactana aacacnatnn ncctctacnn cnatncctan 1380
nannancatc tatnacacnc tnnacntacc tntnnttaan tncancnctn actnnnnccn 1440
cnnacnaaca cannca 1456

<210> 2109
<211> 1107
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1107)

<223> n = A,T,C or G

<400> 2109

acnttcgttt ngaacaatat gcaatgtgaa gcggtcgcnc gtgagtttag taaggctgtg 60
tacactgact acacactncn ggnatgcatg agcnacgtgt gtgatgagng ggaaatttgt 120
tttatatcag tnatatatac atatntataa ctgatataaa acanatgata ntttgacatt 180
nganncnnnt nnanaccatg cngtccaana gngctcccta gnntntctct gncatngtan 240
gaagaccgta acctnttntc actncnatgc accttnaatg caantcagac ctatttccct 300
ccttggggcc cccctnnatc tgcttcacca nccttatttn gaanggnaga acanttcanc 360
aaanggtgga ggnggganan cannngnnacc ntcctttnaa ncnngaannn attcccctcc 420
cnngantnga aaaancctat tgnccctctc taattaagna gagntcanca cgntnanacc 480
ttntncncta ngntnaaacn nactntantt nnncgcnggg nttttcatat nntacccctc 540
annctncacc ccttcttnac ntnctccnta cnnctatccc cacnatntcc caatcctaat 600
ntnnatanna antnagccac gtcngctnat cnnncacttc acacaacatn natctncnac 660
ncacccacnn ntntttntct ctctcancnt acntacatnt catcnaanca cantctnacn 720
aangaaatca attcnannat nnctcancct ncttnttntc ntnnnanagt tnnnnntcac 780
ncgtntaatc tcattngtnt nngactatca gctcncanna ngtgtnnnnn cgacatctca 840
tcgtaacact tatcngcnnc ncnctctaan ncnananaan tancngttta tatcncnctn 900
natnntntct acntntaact cctncntttn cntgatttna gccntantct nttnangnct 960
naatgnttca tatatacatn nctttтcgcn cntncaccta cncttcaata nncgtatnnt 1020
ctngntcanc cnacatatac taatntannn ncntntnnta tatnctatat tntctgctan 1080
ctntnattcn acntnctctg ntacgcc 1107

<210> 2110
<211> 1475
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1475)
<223> n = A,T,C or G

<400> 2110

cccnaaccng tttnntttnn tantannnnt tnnccnannn nnnnnnntng anaantanac 60
nacccntaan ntnntaagca annncnataa ncgnnanatc ntanncttan cntangcnnt 120
tannntannt naatngnang ggcaaanatn antannnttt atnanncttn ttaancttat 180
ttnntncccc cccgantcta cntacccccn acttcntaan cnnannnnac nananaanaa 240
anaccngggg ggtcnatcac nttaatgagc ncccngcatg naatgtaaaa ntccnanaat 300
nnttncnatt ttgcannagg agcnananga cnatatgcgg ggggntntta taannnttтt 360
natncccccc tactttaact anntccnnnn nnaacaatnt nctncntccc cnatnntant 420
ncncannttc tacnnnannt nnnncntcct tnntntcncg nancntattg nctttnnnnn 480
taanatnaac tntattnatn attanncncn cgnnattaac annccgcata nacantntta 540
aatttnnttn ntnttncttn cctttntacn acataacnta tntatnctna cntacaannt 600
atnaatntac cnantaacgt ctantantca ntatnnttca tantcacact gactcngcnn 660
tattatanan tcantantat cgntaacatn tangnataca acgatcgtat catatcntac 720
nntctcntat cactntgntt ctangntact ttanatatgc ntaatantct nantactnct 780
tatntcacgt acnatatnac ncntacgata antataactt acngatttnn tcacntancg 840
tatnttatac natcatnttn ctctcaccac tactanccaa cnnanatatn nntnaaantc 900
tntttctaac ttaagctacc cncgacgnat agncgatant atntananat attcaaactn 960
tnacnnntnn cntnacatat ctcacacant ngnannctcc tttttatgna nctaanatat 1020
ncatntnnna tctantatct tatataatac antatnctca cactcatcta ntnatttcan 1080
ncctntnata taccttntaa nactctcnan atgntatcat cctcanccac tctctnttac 1140
ggtatttcct nnatncatcn ntatgctaca natacaangt agtactatan nacnctanct 1200
nacgatatan ttatgtancn canatngcta tntacncncn anncncgata gntacattat 1260
atttnncgta actnaaactt atacnaatnc gctgntntna tanactatcn atatctanag 1320
cataactnnn tattatntaa tacnaagctn tnatctcgtn atgnatcacn aaacctntct 1380
atantcacnt natgtacnat atctatctat atctaannat acnccaacca cntntacgta 1440

ttctaaccat ntcttntata agtttcanat accca 1475

<210> 2111
<211> 950
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(950)
<223> n = A,T,C or G

<400> 2111
nnnnnnnnnn ntcnnnnnnn nnnnnnnntn nnnnnnnngn natcnnnnnn nntnnnnngn 60
gnantnnnnn nanttnnnnn ncncnntntn nnnnnnntnn nnnncgccnc ccncctnana 120
nnnnccccnc tcnnnnnnnt nntnnnnnnt ttnaantaca anttcggcac ggaggataaa 180
catcttttta ttcaggancg ctgcgnacnc taacnnncnn ncagggntca tgggattggg 240
taccgaggng tgaggaggga atctgcaatn ggcttgntac aagagaacac gccctttct 300
ctgnagattt ccgccccaag tcgtaccata ctctttaaca gggcacaaac gtcagcaact 360
tcaagtttcc tgtgaggatn aacatccaga gtttctaatg actaatctcc atngtgcaaa 420
agaaaaggcn taacctcagc cccttnagac agcttatgcc angagaagtt catgaggtat 480
tntaanaaag gctgtngtta ctgnctctat ttctnggnga gcaaggagga agactgtnac 540
taatatttnt tggaatacct aatntgtacc acacagtgtt cccagagctn taganatatt 600
aactcacata attntctaaa taacttgaag aaggtanata ggaattttta nctccatttt 660
acaaantgaa aaaacataat gacagngatt gggtgacttg cctaangggc acacaggcnt 720
catgangtaa atancaaatt tagctttnag cctcagaatc ttaantcaaa agcccttatg 780
cccaagcncc gcaaaggaag annaagaaaa atccacggan ggttnagttt ggtngnaaac 840
ngantgaang gntccntggg gtgtaaaatg gagtngtgga acccctggag ttatttcnaa 900
nttnttcttt ntttnctgaa nacccccctag ggccaaaatt nggaatggcg 950

<210> 2112
<211> 710
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(710)
<223> n = A,T,C or G

<400> 2112
antttcnttg gctgcttatt acgctcacta ttatcaacag caagcacagc caccaccagc 60
agcccctgca ggtgcaccaa ctacaactca aactaatgga caaggagatc agcagaatcc 120
agccccagct ggacaggttg attataccaa ggcttgggaa gagtactaca agaaaatggg 180
tcaggcagtt cctgctccga ctggggctcc tccaggtggt cagccagatt atagtgcagc 240
ctgggctgag tattatagac aacaagcagc ctattatgcc cagacaagtc cccagggaat 300
gccacagcat cctccagcac ctcagggcca ataataagaa gtggacaata cagtatttgc 360
ttcattgtgt gggggaaaaa aacctttgtt aaatatatgg atgcagacga cttgatgaag 420
atcttaattt tgtttttggt ttaaaatagt gtttcctttt ttttttttt ggaaaatgcn 480
aaantntttn tccntcntga tgggggggtta nttttttttgt gnaaaaaaaa aaatgggttn 540
gtttttagtt ttaaggggaa atgccccttc cccncaaagg tttggcaatt atggggngna 600
gccttgggga naaaaaggcc ttttnaagga accttncctt tnaaaagcct ntttgggctt 660
ccaataaang tttganccca aaaaaaaaaa aaaaaaaaaa aaaaacccct 710

<210> 2113
<211> 815
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(815)
<223> n = A,T,C or G

<400> 2113
atnttttttcg aattcgcacg aggttgttgt taccgtgtgc cccgngngaa ngacggacac 60
tgtatgccac natgccnatn tttagngcat tttcctgatc caaacaagct ngattgtttt 120
cagctaacag taaccccaga tgagggttac taccagggtg gaaaatttca gtttgaaact 180
gaagttcccg atgcgtacaa catggtgcct cccaaagtga aatgcctgac caagatctgg 240
caccccaaca tcacagagac aggggaaata tgtctgagtt tattgagaga acattcaatt 300
gatggcactg gctgggctcc cacaagaaca ttaaaggatg tcngtttggg gattaaactc 360
tttgntttac tgatcttttg aattttgatg atccactgaa tattgaagct gcagaacatc 420
attttgcngg acaanggagg acttccggaa taaaagtngg attgactnca tcaaacgtta 480
tncncanatg ataaaaaggg gacctattgc agggcccnat gggccttnng cnacaanctt 540
gtcttcttac cntttaaaac naagtnatgg agggtnggcc ccccnttttt ccggannttt 600
aaagcctgcc cttttnnann tnccntgggn nttngccccc canttccttg ganaaccctg 660
tttgcccctt caanaaaaga aaaccatttt ttcatagaac tngcctnctn tttgngtntt 720
ttngaggaaa ttttttnnat taaaataaca ttccnnnaaa aangctnttt agggggcttt 780
nntnaaaaan gccttttcgg attacccntt tannn 815

<210> 2114
<211> 898
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(898)
<223> n = A,T,C or G

<400> 2114
ccncctnccn tngtnnnncn nggcgctnnn tnnnngnnnn ncnnnncccg nngngngncn 60
gngncgngtn nnntnnnnnn tntngnctnn nccgcctnnn ngnggggncn nngnnnannn 120
nnnnngggtn ggngannnnc tntcgtnnnc ctncnngcnn gnngnctcnt nttcncnttn 180
gngnntncgc gnccccccgc gccnncnntn tnccccccac cgcctntcnt nttnnnnnnn 240
ntnnnnnnnn tatnngcncg tntaaccgtn nnctcntggg gggggggtnt nttcatnttt 300
ctcncnncnn nnngggcncn nccccccnna nntgnngncg antnnnnnnn nntnnnnacg 360
cgagagncga nncnntncnt cgcntnctnn tntgncgggg nggcnntntn cnttncgcca 420
tcnggggggg nttttttttnn tggngcncag ngcccncngt nancntcncn ctcgtngggn 480
tgntgntcnn ccggtcntnt cccntctcnn nntctctant tncgttnnac cnttttcann 540
tnnnngntcc tctcncntcn cnccnccnnc cctttgnacn nctnnntnan tnanctnnnn 600
tctcncgctn gcncgnnttc cagtnnngtt annectgtcn cnnncgcgnn nactncnnag 660
ngtgncntgc cnncttngng tnccgncnnn ttgccgnata tntnncnntc nnncnnttgg 720
cnntgtcnnn antntagncc tnngcgntnc gtannnngca ctcctccgnn nngtngncnn 780
cngtacncgn catccntnan ntgcgtcnnn ctcngannnc anccncnntn tctntngcnn 840
tnnnnnncct gntnannatn tctctnngan ttntnntcna tancggggtn cgnttncg 898

<210> 2115
<211> 1351
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1351)
<223> n = A,T,C or G

<400> 2115

tccntangca acgatgttan tnncnatcnt gcatcanatc nttactacac atctatcttt 60
cnngcgtacc tnctacagaa tntntantca ccncatacan ctantnntct atgnccccnc 120
cnnctttacc cccncccccnt annanncntn naaacntgaa nccnggggggg tnttanttan 180
cccttggccc cccggtanct nttatanaaa aaatacgtaa nantattnaa gttttnngtg 240
nctacnntnn anccatntgt gnggggnnnt ttnttnnant tcacgntcca cctttnctna 300
acncnannct tnatnacatn annagnngac acntcaccnt cnacannact tnttngttat 360
ntttactaan nnattganaa tatcnctact nattctaact ggngnctacn cttgngannn 420
antgncgnnn nancacttcc aannagaaca ngntttnaca acagtantgt cnactacnnn 480
nantnatcga tcactntatn antnnacntt ttcnttatct ctanntactn gacttttcct 540
acnanttcca attacnnntn annanctncn cttntactta ntccttanca ctananatcn 600
cncacaacna ntacacnaan taactntacn ancgncntat taantaagct aaggaccgna 660
acnatcgacn tatanncacn ctacnttnta tntacnntct tnantaacna aatntancat 720
aggcganagg natctacact anacncatat ccttgtccaa aagataccct aatggnttac 780
gctacgtnnc gatctccaac ntaatcttat atangntata catctcttnt cacgatacta 840
ctntacgtat acanattgct cgcnacttca cgntatntca ctnaagntat gcccntntct 900
ncatctgntt atatanngcn attcaaattn cngctctcnt naatgtaact aannttncgt 960
ntcgattgnc acncttannt agcntatgnc aatctnntnn tnnntcatat nttgacacnn 1020
anctntggga tatctntaat tttgatcacn tatnttnaat tangtacgca ncgnaatgtc 1080
ttctantgta cgtgctataa tntatnggnc tgtaccgtna ctantgtnct caatttatct 1140
cacatatana cactatatcn aagtangntn caaatnatat ntacngtann tnccttttacn 1200
ananatnact atcctactan nattatacta tttaanngac antatcanct ntnngnacnc 1260
nacgacgcnc nctatacnta nntacnttct attacctatn ntctcaccct cctactcatc 1320
naaantancc atgtntacac angnaaangc a 1351

<210> 2116
<211> 705
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(705)
<223> n = A,T,C or G

<400> 2116

anttcnatcg ccgaggcccg tttgcaaaaa tgcagcaaaa aagttactta gtctggctgt 60
ttagtagaat ttacctctac tcattcatca gcctctttat atatatgatt ttaagtcttt 120
tcattgcact gatcactgat acatacgaaa caattaagca ataccaacaa gatggcttcc 180
cagagactga acttcgtaca tttatatcag aatgcaaaga tctacccaac tctggaaaat 240
acagattaga agatgaccct ccagtatctt tattctgctg ttgtaaaaag tagctatcag 300
gtttatctgt actttagagg aaaatataat gtgtagctga gttggaacac tgtggatatt 360
ctgagatcag atgtagtatg tttgaagact gttattttga gctaattgag acctataatt 420
caccaataac tgnttatatt tttaaaagca atatttaatg tctttgcaac tttatgctgg 480
gattgttttt aaaaaaactt taatgaggaa agctattgga ttattattat ttcttggtta 540
ttttgccatg gctttagaat gnattctgna tgcctctctt ttgctctgat ctggtgctct 600
gctattctga tgggcaactg nttaatagtg ggaaacaatc ctgggctgnt gggctttggc 660
aactcagacc ctgnttggnc ctctcaggag tcatcttgaa agagt 705

<210> 2117
<211> 737
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(737)
<223> n = A,T,C or G

<400> 2117
aagttcaatc ggacgagacc cttcttgtcg tatctccggt gtgtatcagc tctccaactc 60
tatgtcataa ttcagttcat ggggatcttg attacctttc ccttccacaa aatattacac 120
tgattggtta tatcgatgac attatgctga tttgacctag tgagcaagaa gtaggaacta 180
cattagactt agtggaaaga catttgcatc agagggtagg aaataaatat gactacaatt 240
caagggcctt ctaccttagt gaaattggta gggacccagt gacatggggc atgttaggat 300
atttcttcta cggtgaagga taagtacttg catcttgctg ctcttaaaac caagaaagag 360
gcacaatact tagtgggcct ctttgggttt tggaggcaac attttccaat ttcattatgt 420
tacaccagcc tgtttaccaa ttgactcaaa aagctgctag ttttgagtag ggcccagaac 480
aagaaaagag tctgcaacag gtccangctg ctgtgcaagc tgctctgcca cttgggtcat 540
atgatccagt ggtgtttcaa tggcagtggc aaataaggga tgctgtttgg aagcttctgg 600
caggtcccta tangtgaatc ttggtttaag attttagagc caaaacccgg ccctttaccc 660
aacaaaataa ctagtctttt ttttgagaaa acaagcttct tgggcctgct actggggcct 720
taataaaaan tggatnc 737

<210> 2118
<211> 738
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(738)
<223> n = A,T,C or G

<400> 2118
agttcntttg gaacaatatg caatgtgaag cggtcgtgtt gtgagtttag taaggctgtg 60
tacactgaca cctttgcagg catgcatgtg cttgtgtgtg tgtgtgtgtg tgtccttgtg 120
catgagctac gcctgcctcc cctgtgcagt cctgggatgt ggctgcagca gcggtggcct 180
cttttcagat catggcatcc aagagtgcgc cgagtctgtc tctgtcatgg tagagaccga 240
gcctctgtca ctgcaggcac tcaatgcagc cagacctatt cctcctgggc ccctcatctg 300
ctcagcagct atttgaatga gatgattcag aaggggaggg gagacaggta acgtctgtaa 360
gctgaagttt cactccggag tgagaagctt tgccctccta agagagagag acagagagac 420
agagagagag aaagagagag tgtgtgggtc tatgtaaatg catctgtcct catgtgttga 480
tgtaacccga ttcatctctc agaagggagg ctggggttca ttttcgagta gtattttata 540
ctttagtgaa cgtggactcc agactctctg tgaaccctat gagaaccgcc gtctgggccc 600
cgncatgtnc ttancacaag gggggcccnc cgttttgagt gaaggtttct tganctgctc 660
ttgaaataaa nccttgcttg gctgcttggg ccttgggcnt taattcaaat ctattgaatg 720
cttgttgncc cacgtttt 738

<210> 2119
<211> 685
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(685)
<223> n = A,T,C or G

<400> 2119
ttcataaggg ctctagaaaa aacgagttat tcacaccagc atcatcttaa ctaacattct 60
gaactagtta gtgcagcttt tcattgtgtt gtgtggttgg tctcataact aggttgagtt 120
tttctcctct gctgaggaaa cagtaccgaa gttctttttc ttgtggcatt tgtattataa 180
aaacttggtg tgggggagga gcacaaaact ccagcccact gaacctctgc caattaagat 240
ggtgttgggt taggttacat ctggttactg tcctgggaaa atcatttta tagagatggc 300
cttccaagtg gttttaaaat ttactgaagt ttttaggtca attatgtatg ttgactaaat 360
ttacaaataa acttgtttat ccaactaagt gtccaaaacc taaattgaat gtactaagtt 420

ttcacatgtc ccattatcta gnccttgnat actaatgttt tgaacttaga tcatttcang 480
tgttgtttgg tggataaagg aacctttttat ttataaagaa tctgtagaaa gcatgtgaac 540
aagctctctg cttgattaag angccataat agtgctgtat ttgcagtgng ggctaagaca 600
aagtatatta ataaagcttt caccccccca ctcccgttcc ctantgnana acccccaggt 660
gnanaactca gtcttaaact tcagt 685

<210> 2120
<211> 763
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(763)
<223> n = A,T,C or G

<400> 2120
agtcnaacgc gagttnncta gcannttnct nagcaatngg catgncatgt agagctccna 60
ngatttgtta ccatcctgca acaggagcca gaggagaata tgcctcaatc aaaatcaggc 120
taaaaatttg tttcaattct gcgtgtgagc tgggacctta agtctttctg gtcgctattt 180
ggtaggggac caaatgtggc cagtcacact ggaaaagttt attttagatt gtcccacttt 240
gtgacatgca ctaggatctt ttcatgtgga gagttcattt tttccctatg aagaaagaga 300
ttcaattagt ttattcattt tgtaggtaat tttgagggca ttggggaaaa cagaagtagg 360
tggtccctcg aacaacttgt acaataaaat attttggcct caatttgaca caaaatgatg 420
ttgacattgc tgcacataag tcccatggaa acttattatg ttataaacaa caagagacac 480
tcttagaagg gaataccttg gctcctttnc agtagaagtt ccgaattctg gagaaacatt 540
cgactgcatg ttttctagca atgagatatt cgattcaagt ccttggagtg tatgggggggg 600
tttcaagttt ttgnttggag ttggnggctt ttttttgaa aatnccatta gnggggtagna 660
aattttcaaa gaatgggncc ccagtaaaac cacttgggcc cagtcntttt tggacttcaa 720
gtggaaaaaa aaattggggt ttcccngggg ggaattttcc ctt 763

<210> 2121
<211> 816
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(816)
<223> n = A,T,C or G

<400> 2121
agannnagta gaagggctcc tttcctaaat ccttgacgat tgacaacacc cattttttcct 60
tttgccgacc ccaagagttt tgggagttgt agttaatcat caagagaatt tggggcttcc 120
aagttgttca ggtcctctga caccttttgg tatcgttaat tttactgatt tgtgtagaat 180
gtcagttgta ttttaccagc taatatctag aaatgctggc aagaggggtt tactccagct 240
ttagattgta ggtatgttag ctttttttcat acagtgtatt aaatttactg agtcagcttg 300
ctgaataaga cagaagccca agaattttaa cagtgtgtag ctttagttgt ctaaaagtta 360
ggccttcggg cttcaaaagt tagtggtcat cgaaaagcat taatctttgc agtttcaggt 420
acaacacatt ggntttgatt aaggatgggg atggggccct ctttttgcag aatggggaaa 480
agtattgaca ggaatttgag agctattggt angcccagtg gtataaaggt attgtgaaaa 540
acaagaaatt aaagttantt ggtcttgnaa gtggactgga aanccatttt aaggctctta 600
tcaaaggncc taaaaaaatt tgggtaaaat aatggangtt ttgggtaaat gcccaaaatt 660
ggtgggccaa gtngggaacc aattattttt aaattttaaa aaatttattg ttaaaattgg 720
gcattaaagt taccttaagc ccccaagtta ttttttttta aatnaaaaaa ggtttatttt 780
nntttaaacc naaaatgttc aangtttgcc antttt 816

<210> 2122

<211> 712
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(712)
<223> n = A,T,C or G

<400> 2122
aaatgcantg tttgaacctg angaaaagtt aaagtgtana aaatattgnc ttgccgaagg 60
attttgcagn cctctgtcag taacttccat tgattaggca gacatattca ggtaaaccct 120
aatcattaaa aaaaaattat caatgtagaa agtaattccc ttttttctct ctgagatata 180
cctcaatcac acacttcccc acccccactt gaaacagacc tcttcacttg tgttttttt 240
tcctgaggtg gagtcttccc ctgttgccca ggctggagtg cagtgggatg atcttggctc 300
actgcaactt ctgccacctg ggttcaaggg attctcgtgc ctcaacctcc tgagtagctg 360
ggactgcagg cacgcgccac ctgtattttt gtatttttag taaagacggg ggtttgccat 420
gttgcccagg ctggttttga actcctggcc tcangtgatc tgcccacctt ggcctcccaa 480
agtgctggga ttacaggtgt gagccaccgc acctggccaa accgnttcac tttgtaaaan 540
aaattaaggc taataaaaaa ggngtaagtt ttttganaaa atgaaaattt taactttaac 600
ccnttttcac taagtaaaat agccacaatc ntcaatttct tccctttggn aaaaaggggg 660
gttacctact ggggccctac cctcatattn tattgaaaaa agnaattttg nt 712

<210> 2123
<211> 802
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(802)
<223> n = A,T,C or G

<400> 2123
actttacaat ccnacgaaat naactcacta ttatanacan ngagcacngc nacnatnagc 60
agcatctagn tgcagnctac gtncattgag aaggaggtct tccccattat ggccaaggag 120
gggcagctat atgccatgga gttacagggc ttctggatgg acattgggca gcccaaggac 180
ttcctcactg gcatgtgcct cttcctgcag tcactgaggc agaagcagcc tgagcggctg 240
tgctcaggcc ctggcattgt gggcaacgtg ctggtggacc caagtgcccg catcggccag 300
aactgcagca ttggccccaa tgtgagcctg ggacctggcg tggtggtcga agatggtgtg 360
tgtatccggc ggtgcacggt gctgcgggat gcccggatcc gttcccattc ctggcttgag 420
tcctgcattg tgggctggcg ctgccgcgtg ggtcagtggg tacgcatgga gaacgtgaca 480
gtgcttgggt gaggacgtca tagttaatga tgagctctac cttcaacgga acccagcgtg 540
cttgcccaca agtctattng gcgaagtcaa tggccaaaaa cctcgtattc atcaattgtt 600
gaaaggggna tgccaatggg gggcttgggc ccgaaacccc ccgggttttt cccatttcaa 660
accaaanggg ggaaatggct tgggcccttg acaccaattc agaaaagaac cccttgggac 720
cttgggcaat ttaattttgg gcctnggggg gggggccact tggggttgga aaaacctttn 780
aaaanctttt ttttgggnac nn 802

<210> 2124
<211> 1508
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1508)
<223> n = A,T,C or G

<400> 2124

cnaancannn aanncnnnct nntcctnnnn cncatnnnnn tcncnatann ctnnncannn 60
canncnannn nnnnnnannn nngtgtntcn cnanncanan agggncancg acncnaccnn 120
ancnncantn atntnnnant nccccccccn tanncanccc ccccctcntn nnnnnnnnna 180
natgncgctt atcnantccn ngggnnttat atnnnaccng anaanccgaa gtcgatagaa 240
atgaaaggcc tgaaatttgc acgaangcat tccatgttnt ttatagnagg cnaaggggcg 300
naaatntttg nggatggnag tacaaatgtg ccttngtaaa atatgttgna aanggatcat 360
ttcagaaccc ctngcnacnn cgtgncanac tntcannccn nnnattaatg gaatttncca 420
nctggtctcc ncnngcncaa ncactggcct nngnatgntg gnnncaccng ncggnggccn 480
tatttggcac nnngaaggcn annaaaactn tntnncacac ncgcnnnact cntncntagt 540
nggacccctt tnngccncnn annagnngca cnncgtaact antngnnntc nnngactcac 600
ccacactnan ccatnacnnc cacaatatnt angtgtnnat tagatgngat aagtnctctc 660
actcgatcta atctnncant cnctatannt tcgaaaagan antgctngan anctcnanat 720
gcanactaaa tnnncanacg gtcatanaaa nctcactgtn tanctcgcct cgtctanana 780
ccgnanccat tcnnatcant tacacatngg aannaacccn cccananngt naannncata 840
cggggngacg gggtaacacc cctcntcttc acntatnaat ngggnnaaac cnaaatntta 900
tccaaaanan tttttcttaa tngtctntcn nncgntnnac atngaaatgn tnagcctcng 960
ataagtttna tatncactga naanaanacg ngactatncn nttcnacacn tctcntanna 1020
tcgcgaaang gncgaaaaaa tactcgtann anacgaatan canncgctat gataccgnac 1080
gncacnannn anncnnntgt aannttttntc tcactctnct gnccacataa annagatnta 1140
actancatnt ncacttnagg gaaatgttaa gnnacngnng tcaancgnaa acnttgacgg 1200
gnggcatgcg tatattaaag aatnnanann gtannnctnn tagntacanc nccactctcn 1260
ggcganacga agaantnatt anaaaancna cagatngnna ctataatgta aattanatcg 1320
aacncngcac gcggcctcna cgttagtntc ctcctcntnn tcnatggnta cncacgtnat 1380
cttactgaca cnntantaat tccnnntntc tccagccnaa ataaccaacc tatntttatc 1440
ntccatangc tcancagcna tgcttatcgt ctnncatctc aaaccganca tanctgnagc 1500
cntcnccg 1508

<210> 2125
<211> 805
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(805)
<223> n = A,T,C or G

<400> 2125

tanccttnaa ctcttgtctt tttgcagatc nnnnnnntca attcggnacg aggtcagctc 60
gggcaagccc tccganaaga acctctacgc cgacatcgac gccgtttnnn nggcnctgcg 120
cncccggtat ggcgtgagtc ccgagaacat tatcctctat ggtcagagca tngggactgt 180
ccccacggta gactnggcct cgaggtatga atgcgcagcg gtaattctcc attcccctct 240
gatgtctggt ttgcgtgtgg cttttccgga taccaggaaa acatactgct ttgatgcttt 300
ccccagcatt gacaagatat ctaaagtcac ctctcctgtg ttggcattca tggtacagag 360
gatgaggtca tcgatttctc ccatggccta ncgatgtacg agcgctgtcc ccgagccgtg 420
gagccccttt tgggttgaaa ggggcttggg cataatgaca tagagcttta tgcacaatac 480
ctagaaagac taaaacaagt tcatatctca cgaacttcct aattcctgaa gacaacaact 540
tggatcttac ctcatttact gngaacaaga anantcctct gttttgcaca tgctttaact 600
gggtagctgn aaaaggcttt gataccatga aaaaatgccc aacccttag ggggntctaa 660
atcaaaagac cttgatgaaa tctcaagtct ttttgtattc taaganggng ggtcntgntt 720
aattcncaca aacacgttaa aactggaaca gtcgnggaat tcccnncctt tcattaccct 780
tgccaggaat ngggaatgaa aaccn 805

<210> 2126
<211> 882
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(882)
<223> n = A,T,C or G

<400> 2126
tanccttca actcttgnct tttgcangat nnnatnnncc nnttnnnntt nnngtcggat 60
ggtaaatttc agatttttgc ctatagaggg aaagttcctg tggttntnag ttacagacct 120
gccaggggag tcctgcagcc agacaccctg tccattgcta gccatgcatc attaccaaat 180
atatggaccg catggcaagc cataaccccc ttggtggagg aactgaatgt cctacttcag 240
gaatggcctg gactgcacta caccgtgcac attctctgtt ctaagtgcct taagagagga 300
tcgcccaatc cacatgcttt tccagggaaa tctgctgtga tagagaactg cgtaacaggc 360
cttttctgtg agcgctcact catacattat gcacgacgtg gctaagatct ttgaagcgca 420
tggagacagg cacatctctg agaggggagt tgctgagtca gcccanaccg gaaggagtgg 480
cagagatcat ttgccccaag aacggcagcg agcgagtaaa tgttgcctng gtttacccac 540
ccacgcccga ctgtgaatca agccccctgg ttccaaagaa ngaaattgtt gggtgcaaaa 600
agccacanga aaacccagtg gaccgttttc gnnggcctgn tgggaaattn tcccattggg 660
annaaaaaag anaaagcnat tnttgaacca ccctnggaac caatntnttt ttgccanccc 720
ttgggcaaaa acccctttt ggnaacttca acccccaaac gggggtttct gggggaaacc 780
ttngagttgg nacnaaacgc nttgccttgg caaggggngg gccntttctn ngnacaaaac 840
ttgggggggaa aaaaaggctn gggggaaagn ggggttttnn tn 882

<210> 2127
<211> 1222
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1222)
<223> n = A,T,C or G

<400> 2127
caagnggggg ngaggggggg ggnaaaaatt nnnnnattnt ttccaaaaac cnaattnnct 60
ncccgaaagg gaaatttntn ntncncccca acanaanaaa anggtttttt tntttntcnn 120
nnnnnnnnca ccaacccnnn ncnnncnaca nnccntngnn ngncgnnccn ngncnnggng 180
ggggggggttt tnttcncaaa nntcnccnac accgggggcc cancgttaat attgtcgnna 240
aaantctttt nanannncaan gngggggcnn atntnannca gnncgngagg agaaanaanc 300
nnttaactnn cacanaaang aggtctctcc ancgtgcncc natcnccccc acngctgtna 360
nntgggnccc ccccccaaaa ngaccccccc gccataatcc tggcccnaga aaatacttcc 420
cnncngnagc cattccccat cnctttcncc tccngantcc cnangccccn anggngantt 480
ttanantccc ccaggtaagg tctnanatng annccncnag aatggnngna ccccccctncc 540
cnggttggga gnnacttntn nngnaanggg nangnacccg gggaaanccc nnccnccncc 600
agccntggcc ataaaaaccg gcccnaatcc angnntntcn acccttccnn cncannaaga 660
aaaacttcta aancccccna aanaancanc aantcctnat ggccccaaaa nannnangcc 720
attaaccccc cccnaaattt ntccgctcac cccnggngcn gnanatttaa ncccaccaat 780
aanacnnccc cacgnccctt cnggggggnc ncaaananng nggggngaat cntgnaaaaa 840
aaaaccntcc cccncncgcg ccnaancggg ggnacccnaa caatantcct ccgcccanta 900
canncccctc cnnatantcc cccccgcgnt nnaaacnccn canncgcgac canaccncca 960
ctcctctctc gannacaccn gntnnggtgc accgcgcaaa acccnccnna cataaannca 1020
cacccccccc cnactctacc ccccaccact catnatnccc nctccancnn cnctcccccc 1080
ccnttctcat ngcacncccg cnatacgcna catccncgaa ctatgncgng nccccccccg 1140
tncacggacc cngccccatg gancccccct agatcnagga cncccccccn ccggaatctc 1200
ccccnggtnc naacaccccc cn 1222

<210> 2128
<211> 789
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(789)
<223> n = A,T,C or G

<400> 2128
ntaatccttt caactnctng nnctttttgc angatnnnnn tnnnnacgaa ttnnnnnncg 60
agagtagaaa tagtctttta tgaaatnnta tacttatgga aaatatatga ctggtatatg 120
attcctttag aggaagaaaa tttcaatttt cagattcaaa ggaagcaccc ttcctagtct 180
atatatatag taagcggaga actagtttta cagtgctcat ttcaggtctt cagtaagtgt 240
gtatgatgat gtcagaagta ttcattggct cactttcaaa tcactgaaaa ttcagccatg 300
ctaaggttgg ctattacgtg tattagcgtt tccaagcgag tggtcttggc tggggtgaga 360
ttgtcagctg tctgttagga ttagtcacaa caaacatggt gcaaatggtt tccaacaaca 420
gcgcacttca agggtacctt cataattctt tctgccagaa cccaaaaaac aatactcttg 480
agctactcag tgttccaatt gttaaaaatt tcctgaaatt ttccttcatg tattcaaagg 540
ngaaacataa agatctagaa ggatggttgt gaaaaagtat ggactttata gtatctagtg 600
ggcattttca ttgagcccaa atgataaatt ctgtttccaa gtcttttaag tgaaaaaaaa 660
aaacctctag aactatagtg agtcgtatta cgtagatcca gaaatgataa gatccattgt 720
gagtttggac aaaccccact agaatgccan naaaaaatgc ttattgggaa tttgngatgc 780
tatgcttan 789

<210> 2129
<211> 1481
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1481)
<223> n = A,T,C or G

<400> 2129
aancnccnna cnganaanga nannacnnca ccgacgcgan nccggngcga ngnnnnacna 60
ngnganacnn acacacacnn acgcgcnang aggnacncgc ncnggnnaga aanangnaga 120
gngngcanga nncacgagng gnnangacag ggnaancaca ngcgagcang nncgngcaca 180
cacgagaacn cacnnnccnc ccngcngcac ccctaagngg aaaancccct ttnccaaaaa 240
annnccnggn nnnagnnnna nacacngang aacacgaagc acgncccccc acancgacac 300
angagcagcn nnancagnca aaacnannaa ncngnncagn cganncacgc naaggcncna 360
gnanncnaaa ccgacaacaa cacnanacaa actaanaaaa aaaacaacaa ccnncgcnan 420
gnacagaann anagnaaana naacaanaaa naagannann gaacacngaa cnanngncan 480
caagcnaaan aanagannnn ccagnanccn cagcncgnaa caaganngga nngnagnaaa 540
gccannggnn nnnannanaa ngcgaaacgg gnannanaag aaacnngnng nncnaangaa 600
aaancacagc anaacccnaa aanaanaaga aacgggnang gaangcncan nncaaaaccg 660
ggangncann gcggaacaaa ncnaccaacc actacgggga cangncancg natacangcc 720
nganacanac gcngnanana ggcgaaggcn cgcacgagga ancnaaaaca cnagnaanat 780
ngnaaaagaa annnggnaca cacngaancn nagnanaaaa aaangcggga natccaacaa 840
nagccacgna nntgnnggaa ngnannannc nnagcgaccg aaaacnannn gcacgggnca 900
gtnatggaan gcnagcannc caccntgnnc ccannncnnt cnaccnnngn aagntgaanc 960
ngntcnaacg aancacgtgn aggnnctggn cnangacnca nggcacatca cacacagctc 1020
tccacgaata ntctgagaga cagaagcggn aaaanaccnc gcncaacnca cganaaanac 1080
ncncganang acgaccnnca aaacaanacc gcggaagncn agangacgan nangggngac 1140
gcanntgncn ccnacgacag acgnanncgc naggngacga nggaccgaag cacgacaanc 1200
ncgacaanga catgggcggg agccacacna cngngngcgg gggaaaaaaa aaaaaaagac 1260
cangcacacg ggnggcgcac gaaacagcna ggnngggana naannncnaa gaacagngac 1320
gcaagaaaaa nncgnggngg aaaantacaa ctcacgatat tgaaaccggn ggagggcaaa 1380
acacacaacg cacccnaaag gaaacgnaca cgangggggg gaggaaccac aaaacatcac 1440

acaaaancgn ngggnagcnc gacaacaaaa aaaangggng n 1481

<210> 2130
<211> 1153
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1153)
<223> n = A,T,C or G

<400> 2130
gncangngag gcacgcgcac gnnggcncan naagngncgn ngggnannca cgganngaan 60
nnnggggann ccnnncnnnc nncnngcnaa ccttgcactc cggctcnnga ggaggnccca 120
cgccccnagc ggcacgagga gaagcncaaa agcncanggg ccttnnnaag gccccnnang 180
gaacccaggn aggggngngg aggannncnna nagaaannna aaaccgggag gcgncncnca 240
aacggcancc cggnngnacc cgncccgncg aaaacngaac caaanngnag gcgggggaaa 300
ccccganaag nggaaacggg ggaannanaa acnnncggna ncngganagg cgcnggggca 360
caaanaantc naaaccentg agggaagggg gccnncnngn tnnaaancaa acanaggggg 420
ggnnnaaaan ggggggaanc cggaaacccc cncacgcngn anggcagngg gnngangnac 480
nggggaaaan cccacccccc anaacncnag gacncncgtn ggggcccacn anaacncanc 540
ccgngggcgn angggaaaaa naananaann nnnagagggg gggggcgcga cgcgaaannn 600
ncannnngcn cgcgggccan ccnnggggggg aantccccga cacnccnngg ggaaagaanc 660
ancctcctgn anngnnngga cccatgnggc aaaccccacn tgggtaannc gngcnaaccn 720
ctgatngggn ngggcccaaa taaaaaacca ancnagggnn ggggcccagg aacccagang 780
gtaaaacagc nncttaaaaa aaaattggaa nncaggggan ttnggnntaa naaccaaaan 840
agncnctagg aancncgggc gnacgggctn ancccacncg nagaaaagga anctcacgng 900
ggaacnanaa gcgaatcccc agaanaaaaa aacccnnccn ngggcaccca aaacnnggcc 960
nggnctataa aaaanggggg cccngggcta anaggaacaa anncanntcg gggnnanggg 1020
ggnnnnanaac cgaaaggaag aaagggcngg ccccaaccng ggangggggg nnaanancag 1080
gtagatcaac cnactngggg gnaaaagggg gncagggacc tctangnnag ggncccnann 1140
cgggggggaag ann 1153

<210> 2131
<211> 779
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(779)
<223> n = A,T,C or G

<400> 2131
gnantcnnnn caggatgcac gggcactttg gaggaccnag cggccactct gagtaagatc 60
atccaggtgg cggtggaact gaaggattcc atgggggacc tctattcctt ctcagctctc 120
atgaaagccc tggaaatgcc acagatcaca aggttagaaa agacgtggac tgctctgcgg 180
caccantaca cccaaactgc cattctctat gagaaacagc tgaagccctt cagcaaactc 240
ctgcatgaag gcagagagtc cacatgtgtt cccccaaaca atgtatcagt cccctgctga 300
tgccgcttgt gacgttaatg gagcgccagg ctgtgacttt tgaaggaacc gacatgtggg 360
aaaaaaacga ccagagcttg tgaaatcatg ctgaaccatt tggcaacagc gccgattcat 420
ggccgaggct gcaagacagc tcccggatga atgctgagag gancctggca aggttttcaa 480
cccagatgaa ganntgaatt gaaatctgca agactgaatt ttnaaatgcg attgctatgg 540
ggcaagcaaa aggtgcacaa gtcatcagac nggagagatn ttgagnanat tcaacccagg 600
attttaactg cccnctcgcg taaattngga accttcttct tgtaaancag gcagaacttt 660
tgantaactt ctcccgagaa ccctttaaaa tattntnttc aaagtttccc ccaaccttca 720
atntttgngg aaagcntact ngnnntcgnt naaaatnnca ntnggccaaa anttccnnn 779

<210> 2132
<211> 826
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(826)
<223> n = A,T,C or G

<400> 2132
nctaaacctt tnaactccng ncntttgcgg annnnnngnn angaantnnn nncagattnc 60
actggaatat nnaaaaantt tnctttaaa ctccctatag gtcaangntt ttngtttcca 120
tntatacggc cataatcntc catagctnag ntnatatgcc attgttgnat tanaagggan 180
caaaanccta nggaacaaag tagncttggc aagttggcag tttgtgccct ctcagctgtt 240
taacttatgt aatggatgtc cgcacctgaa aacactataa aaatccagcg gttgntnaaa 300
aagnccatnc gtcactaatt ccatncaggt tctccaaccn cttcttgaat atcattgcca 360
ccatttttac tgttagaata aagaggcgac accataaagc cctgctgaca atgagagtng 420
gntcaggaca nctgtgattg aaatatggcc gctatttaca gtntttcagg ggaaangtaa 480
nacncntcca tgnnaantaa agagctnaag tgggtctaca gttaaatgng acatngcagg 540
gacgannata ntttttaaaa cnacaatttc gntgctaaaa aagcctncta ggcccnngcc 600
aaattaatgc agtnanaacc nnggggttgc caaaanggga antatcaccc cntnctttaa 660
aaaaangctt aacccccca tattccantc ttcatcanac ccttgnntnc cntctggttt 720
aaaacgnnaa nccaaaccct gggntggtnt tgncnaaccc aaaccccac ccaaaaagac 780
cgaccctggg tcctatngnc aaanaaancc ccctttttca tttggn 826

<210> 2133
<211> 868
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(868)
<223> n = A,T,C or G

<400> 2133
antcngactc ttnggaaaac ttcncnnntt ttaggaaaaa ancccccna annnngggan 60
gnngggnncn aagaataang angtnggccg gttttnnaac antancccnn tnngnanggg 120
cttnnnttttt ntnggggnat attggnnacc naangggcng gnngggaccn aaaantgggg 180
gnaananaaa cnnaancncc ggttttggcc ttncctggtt cccttaanna ttncnggaat 240
gggntancaa aatnggnngg aggcttntng nngttaacaa atggtaactt tcaagagact 300
tttagaggga aaaaaataat ttaaaataac tggcaaactg gttcaannnn ncccccnant 360
ttttcacgng cataaacccc ttttaaaaag gnaaattttt acactatttt ggtngttaaa 420
aagggaggca tttctacttt ccttngaggt tttnggtggt ggccaaaccc ttaaaaaaca 480
ttttcccctt ttngggaacc atggaggttn ataaggttta ttaacttttt tccttttacc 540
atnggtttac cacctttttt aataaaaaaa tccaggattt ttttcaagng gggccttctt 600
ccccnggaat anttaaacaa ggaaattggg ttggnggtaa acctcaaaag gaaattnggc 660
ttttttaata ngaacttggg attttcaaaa tttctttaaa ggnttcagcc cttttnccct 720
tatcaaaatc cacaaaattc atggtattng ggaaaattaa ttaaaatggg gcaaccccaa 780
aaaaactggg ggtttttnaa aaaaaaaaat ttttttgggg ataatcaatt gganggggct 840
ggggccacan ttatattatt nggggggg 868

<210> 2134
<211> 808
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(808)
<223> n = A,T,C or G

<400> 2134
ngtctttttg cagggatnnn ntnnnnannn ngnnnnnnag gnattngaac aaccacctgt 60
ggnntttata nctnaccncc gatgangnca tggtntttga ttccttttag aggaagaana 120
tttnaatttt cagattcaaa ggaagcaccc ttcctagtct atatatatag taagcggaga 180
actagtttta cagtgctcat ttcaggtctt cagtaagtgt gtatgatgat gtcagaagta 240
ttcattggct cactttcaaa tcactgaaaa ttcagccatg ctaaggtngg ctattacgtg 300
tattagcgtt tccaagcgag tggtcttggc tggggtgaga ttgtcagcct gnctgttagg 360
attagtcaca acaaacatgg tgcaaatggt ttcaacaaca gcgcacttca nggttacctt 420
cataattctt ttctgccaga acccaaaaaa caatactctt gagctactca gtgttccaat 480
tgttaaaaat ttcctgaaat tttcttcatg tattcaaagt gaaacataaa gatctagnan 540
gatgggngng aaaagtatgg acnttatant atcttagtgg gcnttctcat tgagcccaan 600
tgataaattt ctgttttccc aagtnttttc angttgaaaa aaaaaaaacc nctcncaacn 660
ttagngnngg tntacttncg cnagnncccn gncattgata aagacacntt ggntnagttt 720
ngggcaaaac ccccacctgg naatngccnc tgananaaaa ngctttttt tgggaaaatc 780
ngnggatggc tcntgcttta atnttncn 808

<210> 2135
<211> 1013
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1013)
<223> n = A,T,C or G

<400> 2135
ngnntcnnat cctttgcaag cccctgtgct ctttntggcg agggatccca tcgattcgaa 60
ttcgggcacg agggaacatn ttncnaattn ggctcctttt ttnnattttt ccnngaatnt 120
ggggggnaat tttcctgggg gcaaaatngg gnnttttttt ttggancccc aacccctttgg 180
gcttatggag attggaatcc tntcangggg ggaaccaggg gangccattt ggnngataac 240
ggttcaattt ggaccgccca caagggantg gaacttacca ttgggagggg cttttaaaca 300
aaggaacttt caacaattta cttggttttc ttaanaggcc cttaccaaaa nggttaaacc 360
cccagcaaca ttggaaattt tttggagggg ttttttantt ccacaaaaag gatggatngg 420
gncttggtcc tggaatggaa tcaccaaaaa ataagaaaac accnnnnacc gccaatttcc 480
attcaaaaag gggccaantn ggatgaacct ttgcaagatg ccttggggcc ttaggaaaaa 540
accttccatt ccttaagcct ttttaatctg ggaccttagg taatcntatt ggacccattt 600
caaatatttt ggnaaggccc tttnaagtaa agggggggtt ggcaagaaaa ccttcaattt 660
ccacaaactt ggnccgnacc cctttgggga aanaacctat ttaaaaataa tctttnanta 720
ntcaaaaatn tcaagggtan ttggaaaaaa agctattttc ttcntntngg atggttnggt 780
caagcaaaaa attcttacaa ttggcgaacc agaacaggtt tcccnctggn ggggatatgg 840
ccaatccttt atggaacttt tgcttgngga acaatgaatc ggatgttgga aaattggaat 900
gtggcnttgg nnntataatn ggggttaaaa ngggaaagaa tgggaagtng gnaantggct 960
ttantgnaca aaaaaatcta atngggcgnt tnatgnangc tggaataaat ncn 1013

<210> 2136
<211> 777
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(777)

<223> n = A,T,C or G

<400> 2136
ngagtcnnnn cgagacttgg caaatgttgc taacaacntc aagcagaatt tgatgacggt 60
ggcaaacctt ggtgtggtgt ttggacccac tctgctgagg cctcaggaag aaacagtagc 120
agccatcatg gacatcaaat ttcagaacat tgtcattgag atcctaatag aaaaccacga 180
aaagatattt aacaccgtgc ccgatatgcc tctcaccaat gcccagctgc acctgtctcg 240
gaagaagagc agtgactcca agcccccgtt ctgcagccga gaggcccctg acgctcttcc 300
acaccgttca gtcaacagag aaacaggaac aaaggaacag catcatcaac tncagtttgg 360
aatctgtctc atcaaatcca aacagcatcc ttaattccag cagcagctta cagcccaaca 420
tgaactncag tgacccagac ctggctgtgg tcaaacccac ccggnccaac tcacttcccc 480
ccgaatccaa gcccaacttt cacccctntc gccatcttgg cccatgttct nggcgccatc 540
cagccctatg cccacctcat tcacgttcag cggactcatc ccccgtcagg aacacccgtt 600
tcgggaangg caaaaagcct tgtntgcctg caaagctngn acattgactc canaaacttt 660
ccnttcacag gcangncncn gnccttcgat aatggttcac ccaatcttaa ggaaccttgg 720
ctgggttgga nggggactc ttgaacngga aagactggcc tnaattcctt gaaaatn 777

<210> 2137
<211> 928
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(928)
<223> n = A,T,C or G

<400> 2137
gnagtcgnnn angcctanga tnagtnaccc aataattctt ntacngnana aactcctaca 60
tccagcnttt ttttttaag nacccaacat ccgaatanca aataaanggc gttccgnnnn 120
ttgcacaaag caggctggga tttacaggcg tgaaccacct gcacccggnc canaactgca 180
tctnaacagc naagncanct ttattcnncc ccataactga cagactnngn nnccatccat 240
ctcctcaggt tacagaggat aanccgaana gaancgttac ccgtagaaca tatagcccac 300
gtacttcntt nncccaanag atagggtcca cnatcgcnna agctgntctc aaactgctgg 360
gctcacgaga tccncctgcc cngcacttcc caaaatgctg gganctacan gngngagccc 420
gcagtaccca gccagtntnt gnacnnccga anatcgggag tnnctnancn gcnanncttt 480
nctttccnan cnggncaaan ctnnaactaa naatnaatcc cccttggnct anganaagcc 540
ntntttactc ccccccactc ctntaaaaaa tgnccccncc nntttcacgn aacanggnca 600
acccaaacnt gnttacncgg nacaaaattg ggctcccacc nttaaaantt tcgnaggcat 660
nancntgcnc cantgnggaa cctctcctta ncnaatnggg aaaaacancn aggcccctng 720
aaggnggcct cncttccann ggggnannaa gnttctggat cntggaaaaa anaaactccc 780
aacaaatcga gattntaacn gcnacnnaac ccaaaaccaa nnggggncta tcannaaang 840
aaggaantgc ccccgcgatc nccccccantn aaaanaanat ggaacacccc tgnttctctc 900
caaacactnt acaangaana gtccancg 928

<210> 2138
<211> 778
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(778)
<223> n = A,T,C or G

<400> 2138
aantcnnnnc agcccacacc tgcctggcca acccctggca ctgatgatgc ctgggtgcgg 60
gttantttng naggagctcc tgcctgcctg gatgaagagg aggtcaagac tttgtccccc 120

actccgcaag ataccctctc tgtnccggag cggtgggtcc ctcccctgtt aggaccttgt 180
ctccctcang actggacctg gatcctgggc ctgcagtcag atngccagtt tcacttagag 240
gtggaaatgt caacccactg gttggaatgg gaanctgctg tgttgngagc caccttatgg 300
aaaacccatg tggcncagaa ccgannggtg gtggctggcc aacagcaagc caggagctga 360
ggcccacaag tccaacaact ggtgaggaac cacatgctgc cancangcca tgttagggaa 420
cttagaagca aatccttncc ccagttgagc cntcagatga caccnnaacc cctcggctga 480
ccccctttact tttacccctt tgtancnaga ncttntgagc caacaanacc tcggcttaaa 540
acccccccctg ggnttcctnn acccncagaa accttgaaan nantaaacgg ngttgccntc 600
aagtcaaaac aaaaaaaaaa nnnactcnac cctctanaac catagcggag tcnanttacc 660
cacaccccga ctttgatnag aaccatntna tgaannttgg ccaaaccccc actttnatgg 720
cgtgcaaaaa aaangttctt ttnggnaanc tcggcaancc tttgnctnnt nttccnnn 778

<210> 2139
<211> 850
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(850)
<223> n = A,T,C or G

<400> 2139
ntttaanccc ttgcaactcc nngntctttt tgcaggatcc cnnnnnnnnt anttcggcnn 60
cnggaaagat tgtggccaga tgtgctttng cttgctgtct agttgttgtt ttcagttttn 120
tagtgtggcn tgcccaaagc ttcgttcagc agatttaata taactggtat tttaaggatg 180
tttatctggt ggtgttacag aagagagagg aaggtaggaa gaccaattag gagagcccat 240
tgccatggtc tacgctggag gggaaggtat gacctgtgag tctcaaaggg cactcctggc 300
tggaanggaa tgaggaataa tgagagtaga ttgaccgggg cttgctttct tcctactctt 360
tcagaatttc gagatgaatt gctgaaggac ttctcttact gaattctcct caggggagtc 420
ttaattccan gggtgagagt accngaagac aaaaagagaa aacccnaaac cngaaatctt 480
gcccttagcn tggaagacga gggagaagaa agagaangaa aggctgtgtc angaagtcca 540
gagcacacct gaatgcanat cantntgcta tgagaccang cccaaaagtt cangcccaga 600
caaatcccac aagaacccca aggagattcc caccttgggg caccgggtgg cntgggcgcc 660
tgttaatccc aancnctttt ggggaaggcc nannaccggg tgggattcac ccctgaggtc 720
cgggaagttt cgggacccag cctngcccaa cattggccna gaccccttgt tcttcttcct 780
taaaaatncc caaaaatttc ccttgggcat tgntnccnag gtgcctttta ntccccactt 840
nttngggaag 850

<210> 2140
<211> 986
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(986)
<223> n = A,T,C or G

<400> 2140
gnatccccnn nnnnnnnncg naattcgggn nacnnnnggg ggcctggctt aacaaaaaaa 60
aaaaataagg aaaanattcc caagcctggg gnnggccgnt nggggtccgc cggcctccaa 120
tgggtgatga ngtacccaag tccnggcctg ggggaaggna aggaacctcg cancctggn 180
gtggnagggg gattggggcc tctggaggcc cccanccgaa gggggcccna tnggtcttnc 240
ccncnngtna ccnntctntg gnncgtaccc acaanggcaa atcctagan ccctntnccc 300
ccttccccan atcncacntt tnnntacccc ataacnntcc ccccttana cccccacanc 360
cctnnntccc nnccacnggn nnngcntnnt cnccccctcc tntccttcnt tcnancatcc 420
cttnncgncc cccnccttcn ngcgacncna catccntttc ccccactccc cnccctccct 480

tccactnccc cccncttccn cncctcgtat ccnacntncc ccccccccct ctnccncccc 540
ctgccctcgc ccctntnntn tccncccccc cttccncccc ccnnctctcc tatnncttcc 600
cncccccccа ctctctcncn cccgtcccct ctntcccnca natctccccc atnctcgctt 660
tcctcccccn tacntnncaa tncccctttcc tcttntgtca annancncac ncgctncctc 720
caacctctnn gcgcntnncn ccccccacct agctctcatc ntnctatacc ctctgntttt 780
ntacaanttt ccgcgggccc cnnccnccgn aaaaggngcc tctaaannca ctaantnaaa 840
cncctcccat tctcttnngc gggccacctc ctcncactca tcccctcttc tntntncnct 900
atctactctc ttctcttctc ncncctatcn atcctcatct accgcncctn cactttcccn 960
tntntcacca ctctcnacct cgcacn 986

<210> 2141
<211> 828
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(828)
<223> n = A,T,C or G

<400> 2141
ncttngnccn agntcnnnnc gagcnccnat gaggacnang atgagtntga agcnaaggat 60
gatgaacagg aanaagatga aggcagaang gattcanatn ctgagtcntc agatttgttt 120
nctaatttga atttaggaag gacctatgct agtggctatg ctcactatga ggaacaagag 180
aactagggga gctgctctgg tggccgtgtg tgaganganc aggagtgagt tgtgtgtgct 240
tgatgaattg tgtgtggttg ttcaaaagta ccttaccact tagccttgtg cagaagacta 300
gttacactta atgggccang caataggntg tagcgtnttt attagaactg ataatcangc 360
ttatngcata agaaaaatga gtttcaaatt taagatgttt attgatccga agcaatttga 420
agcctcatgg attnggattg ttncctgatt tcagtaaagt attgttttgc caatttncat 480
ncatatnttc caagatnaag gggaaatagg gatggnaaat annnttgttt tgaaaattna 540
aattccctgn ttttttatta aaaaaaatac tggctttnat ttgggcctga atttntgtna 600
aaatgtaaat gnagctnaaa atggnantca cccngnttct ttnccccttt ttncngtccc 660
ccccnaatgn ggaatcccta actcntggtt cntcccncct naaantttcc ctttcnnatt 720
ttccatgccc cacccttnna gtttggccat gcatnnagnc ccggtctnaa acncccccnnc 780
cnantccctc cccttncctn canaaatgnn ccgttcnncn nncgntcn 828

<210> 2142
<211> 846
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(846)
<223> n = A,T,C or G

<400> 2142
tgatcntttc aactcttgtt ctttttgcag gatccnnnnn nntcgacnnc nncnccagga 60
ggaactcccc aggcattctg tgagatggta gtgttcacag cgctgacaga tgtccctttg 120
acacagtcct ggggtcttct ctgcacaaca gaaaggagtt ttgtgacaaa gttgatggag 180
gaggttaggt atttaattag gactagccag ggagggcagg gactctgtta agcagtgaat 240
ttgtcaaaat tttacttgta ccaggtggga agataactag ctgtggaagc ctgttctgag 300
atgccctgcc atggccaatg actggttaac cacaagggtc actaaaagag agggtttctc 360
atgatctgta gaaatgtaca actgacacta ttgtgtgctc ctcacaataa ggccggttca 420
ggtacctagt ttgtttattt tattaatggg gtgggtggtg gtttatgaat ccttttttg 480
tttttggaag cagttgctgc aagtcaagac ttttttttt cttgaagtta ttcctaacat 540
ttgaccccaa acatgcatcc ccccatttgg ggcatacctt ttagcttaca cccttgctta 600
ccaccctggg gtgtattttt aaaagaccaa naatttttat tgattntatt aaaaaaaaaa 660

attntgccca accgaaaacc cttttgtagc ttgctttcct tgttttganc cancottggn 720
ttttctnaaa atnccatntt ttgggganggg gcntggtcca ntangggcan acatttttnt 780
tggttgcaaa aacccottga ancccccttg gtnoctaang gggnccanaa aatttccccc 840
aagntn 846

<210> 2143
<211> 853
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(853)
<223> n = A,T,C or G

<400> 2143
ttgaaccctt tgaaancccn nnnnttttgc nngannnnnn nnnnncgaat tcnnnnncag 60
gtcatgcctt atttactcca tttttaatcc tgcatcccag atttatggca gcntttnata 120
tctacaggat acttttatgt tgtccaaata ttgctgncag tcatatgtac ttataaaatg 180
tctccactca tgtatattta tagaaatgaa atgtcaaatt tctcagactg ttaaagtgca 240
gtataaagtt gcttaatgca cacttaaaaa tgatatataa tttctgaatc ctatgaaata 300
tgtgttcttt tttaattctt tgggagtttc cttaagtttt acatgttttt tggcttattg 360
ttaatgattt tgtttactct ntgccaaatt ttgtcatgta ggttatttta caatagcacc 420
tttaaaaaaa atgtatatgc taatttacta agcatattca tgtccatttt tattngatca 480
tctgatntgt gaaataactt gaaatntgta ctgtttggtt tgtgaaaata atattaccaa 540
aatccctgnc attagaatgt gtactttatg ttcagaaagt gacctgnggg gtttatttca 600
gaagccaagc cattcctctc ccttggatgc actttggtaa cccagnctac cacatggcct 660
tttaaggngg gctnttccct ggatanggga tccaaggtnt tattgaccta ntaaaaacaa 720
ttttttcnnt gggngaaagc ctattnaagg tnncattaag tctacccctt attttccccc 780
cttggttngg aaactnaaan ggggcgccag ggtattaagc cctaatnccc ccagcatttc 840
ccnggggggg ngg 853

<210> 2144
<211> 1146
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1146)
<223> n = A,T,C or G

<400> 2144
ttggttcncc caaaaggcca acccangncc aaggggccaa ggtncaaggg ggggttgggg 60
nccccaaaan aaaccaaagn aacccggtct cggatcancc aattntttat attaaggttg 120
ggccgatttt ttntaccctt gnaatccccc ntaaaacaaa aaggcngggg ggggattttn 180
ttttttttttt naaaaggaca tnaaancnag ngnccctncc cnctcnattt atnggaaagg 240
gngaannтca ccttancccc actggngcnt gggganaaac catattttnn ganaactctc 300
cnanngatnt ntccatnnca natntnatat nccaangntt ccaannangt ccttnaaagn 360
aaaaaatggc ntcatnntcg accagnaatt canagaagta gtctcanaaa tactanttan 420
ttctnagnaa taannncnct caacnatcnn tacctacnnc nttctntacn atatnnntcc 480
ntancacttt aantnctata ccaaatcctc nactctaaac angacctnac nataactnnt 540
annacnacca cancctattt atattcncnc tnnnagntaa nacctanaat gnntnantnn 600
ntnctctnnn ttnntnaaac ncnanaagan aatctacncn ccnncncttt cactangtcn 660
actntatcnc cactntacna acnananata nncatnnnct nntccactca cncncannnc 720
atctcttgna antacaacat ntncatnatn attattaacn antactancn nnnnnaacan 780
caatataang aannnccann ctatnttcta tcacccnctc ntnntnctcn cnntncttgt 840
nnganactaa ntacgatnaa nnctnacann tatnaactna ttcntattan tnacnanact 900

ntccantcct nntnantnac ctttacnact ctntaanntc ttcgctncna nctcanancc 960
natatcatta tntacnacnc aaacnntact natctatcaa anaaccnact accctactta 1020
ctncncnatn ctaaccacct cttctcatcc attctaccnc aanctcnnan acancttcaa 1080
nttattcnnt cacatnntnt cnnctctacn atntattnat nttatcctat tttaatnnac 1140
tntccg 1146

<210> 2145
<211> 1294
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1294)
<223> n = A,T,C or G

<400> 2145
ncntnngtnc atnaccnagt nngccgcnnn ncnnnccccc nccccccaa cgggggcggg 60
gncnnnnnca cntttgtact tcaatacgnc tntgnnngaa cnnnancanc gggggtntnt 120
acaancatcc catcccnncc ctcaccntca ccctaccnac angcactacn acgtncnncc 180
tnnatnnnan ctctcactcc ttttnatnta cgtcanncac tcctacncnc attncngcac 240
acccacannc gcgancacac tgacgttnnc aantnnatgc tnancganaa cgtatacctc 300
ttcnnacaan catntncnnt aacgtcacct ntacgnctct tcncnatatn cctntctcnt 360
anntnttnng ntgcnnnccg cnatncacan canacgtcnc nggntnntna tatctnnnca 420
taacnnatgt tacactnatc acancgcnnt acncgtctac cctnanccta cttatcnctc 480
tatttnaccc tctcaanctc tacactcaca cnntannctc acnactgctc ctcnctcatt 540
cnnncccatn cnccnctcta ctntagccat tntcntcttt ccncgtnngn aagnncacta 600
ctcgcntcan accacatccc ntcattactc accccncatn cnacccctcc tncgctnact 660
ttacannann cnatgtannn agnactcacn canctccgct ancatcatcc ntnnncncnc 720
atatcatcta ccannatcat cctnatacna cnnaccnaca ttactcntna nnctnntcgt 780
tntacancnt nancnnccta tnccgntctc tcactcnacg nncganacag tctccganct 840
nanacctnca nactgccgct cnncatnann attctncnac nngncncnat ctcgcaccnc 900
natngntccc cnattntaac gctcacacan ncccacnnac tnnancattn tcnnncntna 960
cnanttntnc ngctatctca cctancnacn acancacnta ttctcnnatg tcacanncnc 1020
ctcaactnan ctacntcacg tctccacatn ctcnacnctn tccantcata nctcgcttcc 1080
ntctnttctt cangtnagac accctcncan cgntccnttn cancacnnat tntcnntctc 1140
nacnattcnc tcgnctnttt cccgnctnta cccantttnc ttctcntttc atctnnnnaa 1200
ccnnnnncnc nntntnctnt ctacgnctat gnttnncntc nncaatctat ttaaaantcn 1260
nnctcncccn gntntanttt ntatntatnn ngcg 1294

<210> 2146
<211> 1371
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1371)
<223> n = A,T,C or G

<400> 2146
cncncannnn ntcntnnnca nngtttannn gtatannnnn tntntgatcn cntnncnacc 60
tanctacacn ngnctcncnn ntncngnnct anntatatna tgtctcttnt nnacntactc 120
aatttnccnc cccnnncctnt cccccnctna cttnnnnttt tnaaggnttc gantccgcac 180
ggaaggaaat angcctcagn ggaccccgnn gcntatttat ctnccanatt gantggcaga 240
atatttacaa ttgacagnga tgatggggaa caggntgant ncatgactga tggactntct 300
gagcccatgc atggcagant nccccanntc aattntngtt gnntccccac gntctncatc 360
angnggtttg gatccgtnnn ggnggtctnt gctngcnntt ggaaactntn atcttcacaa 420

gtcgtntncn nncccgtctt ntaactnnca cnctcttann ggatnctcta nnnncnnntg 480
nctgatgatn nttannnnac ctnnttannc tacntnntna tnttnatnta ncantacnat 540
nncantcgac acnncannca tgacntnccc ngcnntangt nctntnnctt nagantagcc 600
gcnnagntcg tacacngacc nncnntgntc nnacgntacg agtcacnnnn acnnacantg 660
tncntttnca ctcnantnnn ngantctcnc aatnnaaann nctctcctta nnntgactct 720
ntctatcgtc ntaanctntt tgnnaccccc nctanagnct acnacncnct gtatctgtct 780
gnnccntntg ctttaggnnn tctntcatct ctgnctantc naccgcnctc ctcantngng 840
tgnnnntccn actgntnagt gcgcatcgct nncttcncgg aacgccacnt anccgctgtg 900
atatngtcta aantnntctc actacatnta aatctcttca cgcngccnct atgtnttcat 960
ntnctnacac tgcccactca ctcnctcntt ncncacnnnn cgtgntcgga ncnccatntc 1020
tctnttnatt tnnctcantc ctacnctaaa tgtctaacnt angttctgcg nnccacnngn 1080
gaatcccgct cnccgntann tnaattnntc tagaggnagn atnactctat cttngnttta 1140
tggnncngta anctatggcn aacgcgtcac ttnaactcnc ttacgttttt cntatctnac 1200
aacnatctct tcngcgtaaa nctaaacnna tactntcnac nnatgntgcc tccntcttct 1260
nnanattnaa ttgtnactca nctctttcat catacgcttg tcnctangtc anatnnanac 1320
atttanntag gtaanngnta cncnttatng acatctccac gccacaccnc c 1371

<210> 2147
<211> 1346
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1346)
<223> n = A,T,C or G

<400> 2147
ngtnnannnn nnntnnncnt ngttangann tnnnaatntn nnnnntatnn nttnnnntna 60
nnnntaannn tnntnnngnn annctnntnn ntnanatgta nnntatnttn nntntaggng 120
tctactntnc nanncgtaan ntnaannnnn ntntnntann nnnnnatnta nntnncgcgc 180
ncccccccacc cnnntantat nnntcnncnc accctctccn nnccnntntn cnnannnnnn 240
nnnntcatan ntntntttcg aaaatattcn cgggggggggg ggggggtttt attanttcta 300
nncnnaanaa taaanagncc ccccccncgg naaagtctaa agnatactta agntngggtn 360
gaccgngnac ccaagccttc ggcacngntc tntctatgga agnggtntcg ctntttncnt 420
ancctcgcgc gggggngnca tttttcgana gtcgaaactc catcatctnn nttctctnat 480
gntttnncnn aatntaacct ttcnatntat ntacntactt ttntgctnng nattntncnt 540
acactanaga atntctcact cctntgancn nnntaagntg tggnaaannt gaanaacatt 600
ttanttccaa ttntctnatn gctcnnnatn cnngngtttt cnnntnntnc tatnnacctt 660
ctatnctttа nctnnttttt natantcntt aanttntcta ctcnnantna gttgatgatc 720
tnacatnttn catattntat aatctcnacn cntnatttnc taatacnntn ctctntntan 780
acttnnatca tntctatatg acgttncctt ctacngntca ttactantat ttcntnatct 840
tgtcaatnna ntntacaatt aattntntcn cttatattga catctcnctt nctcactgta 900
tacnatctca cacntgatta aatcntatct tntatcntnt anttatnncn atatctngtc 960
ctaaanctct antntatcna antttccnat ntatctaact agtnntnnna tcanttnatn 1020
tatnnnnann tntcacnttn tctcttcann catactnagt ntannatgta canngtntcc 1080
tnttctcaac tttatatnct ttnntntnna tgcncttnta tanngntgat nctttccttt 1140
naanaaatnt ancttтctta tattctgagt ntcacatant acatntatat natgtntnnn 1200
tncntatcta ttcttatnan cctnctaana ntcatctatc atctttnntt tntntccatn 1260
atactctatn tattcttcnt ttaatcttcn tatntntata tntntcatct annntangnt 1320
ctctatattn anntnttttn atnncc 1346

<210> 2148
<211> 751
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (1)...(751)
<223> n = A,T,C or G

<400> 2148
agnttcaatt ccgcacggnn tncngcccct tttgggncgc atttaatttt ggtagtgtta 60
atgtctatta atgtgatttt ttttttaacc tttctcccaa taggtngatg acaacaagaa 120
actaggagaa tgggtaggcc tttgtaaaat tgacagagag gggaaacccc gtaaagtggt 180
tggttgcagt tgtgtagtag ttaaggtaag tcaccgttta ttctagggat gaaggttatg 240
ctgggtaatc atataaaacc ttgtattgaa ataagttgag gatcttataa aaggaaaaaa 300
ctgattcaac aggtttaaag cattttctgc atttcaggaa aaaaataaaa gctgtaattt 360
acaagccagc caatgaatct gcttacctga ttgtgtttgt gcagacatac tttaaaaact 420
ggcaatagta aagccatgtt accagcctta aggacattga agtccgtaag gtccctgaga 480
atggctataa caaatcttag tgatgggaaa cattttata aaaacatagc taattgttga 540
agctccccta taattggata ctaataanct tggnngaaaa ttcctaaata nttaaccaag 600
aaaattgcct gccgtnnttt tgtttttttt aaaggactat ggcaagggan tncttcaagg 660
nccaaggatg tcattgaaag antattttca aatgccngga aatgnaanaa aataaaatct 720
ttggcntccc naaaaaaaaa aaaaaaaaaa t 751

<210> 2149
<211> 740
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(740)
<223> n = A,T,C or G

<400> 2149
agnttcaatc gccgaggagg atatagcgat agagatggat atggtcgtga tcgtgactat 60
tcagatcatc caagtggagg ttcctacaga gattcatatg agagttatgg taactcacgt 120
agtgctccac ctacacgagg gcccccgcca tcttatggtg gaagcagtcg ctatgatgat 180
tacagcagct cacgtgacgg atatggtgga agtcgagaca gttactcaag cagccgaagt 240
gatctctact caagtggtcg tgatcgggtt ggcagacaag aaagagggct tccccccttct 300
atggaaaggg ggtaccctcc tccacgtgat tcctacagca gttcaagccg cggagcacca 360
agaggtggtg gccgtggagg aagccgatct gatagagggg gaggcagaag cagatactag 420
aaacaaacaa aactttggac caaaatccca gttcaaagaa acaaaaagtg gaaactattc 480
tatcataact acccaagggc tactaaaagg aaaaattgng gtacttttt taaattccct 540
gttaagntcc cctncattaa tttttattgt tcttggngag ggaaaaaagt aaaacattgt 600
ttaattttta aaaaaaaann nnnnnnnnnn nnnnnnnnnn nnanaaaaaa annnnnnaaa 660
aaaccnnggg gtcnttaaaa atattgnggg ggnnnttttt ccnnnctccc cncttnttaa 720
aaaacctttt ggggngggtc 740

<210> 2150
<211> 745
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(745)
<223> n = A,T,C or G

<400> 2150
acgtttcaat cgnacgagat ttttatgtgt ttattcttan tttatagaat tcttagttgc 60
tggaagccct caaaacttag tcatattacc attgggtatt tattgngtcc ctttcaagtg 120
agggacgagc ataatcaaat ctgcattgta catgaccagg attttttttt aaaaaaacag 180

tactgccctg gtggatctag tttattattg agtgtatagc agaaaggtaa attgtttgcc 240
atgttggtgc agtttcattg ggagggaagt gttaactccc ctgagcactg ccctttctc 300
tctccttaat tttacagtag gttgcaccaa aaccattcct ctcagagaaa gcaacactcc 360
agtatcttgt ttccattaag agataattag ctttcagcaa atcttcctca gcaaacaaat 420
tacattttaa cttctttgag ttcttttgga gcaaaattta nctgttttcc tgtattgcaa 480
aaaaaaaaat tgtttatgtt ctggatctaa naattgntgn tattttagnt tgcttggtaa 540
agctatttgg tttatgacaa gattcataaa agtgctgtcc ccacagngaa attttagggg 600
atntcttaaa tgaagttcac cagnggaatt aaagggtatt agnggttgaa gtgaaaaagt 660
actttntggg ccataccagg tcccctgnct tcaagttgga cttcttctaa ataagttttg 720
gggccatttg gccattcttt caata 745

<210> 2151
<211> 1336
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1336)
<223> n = A,T,C or G

<400> 2151
ccatanncnt cnaaaaatna tanacnacnn tnctanctaa anannnctan atannccata 60
tctcnnactc ananncennc ntnatnanat ntcnnntncn cnnannncct ntacnntann 120
aatatnnccc cncacnctnn atcnccnnct ccatttncnt nnnnttaanc ntngnaacac 180
natggtggcc nntacaaaan gcattcccnc tatactacag tgtaaacctc atttttttca 240
ctccaaattg tagcagcccc tcttcttccc acnnnggggc tttttcntac nncctnnacn 300
cnnancacac agnacctana anngattnna tacannncta tanatcactt nncanactca 360
ngttccgaac anaaanctnn cncgnactat cncaccacca atactcacta tangaaaaaa 420
aattnntcnc cntntccccc tangnannna ctccantatc attnnnacna taanannnaa 480
atcntactcg tccnannana tgatnancaa cctccncata natntnatnn ntcttaatcc 540
acctctnant acggcnantc acnattnnca ncaannnang natatancat nnaactactn 600
tctcncnact nntatntcct cccncnnaac nnctancntc tantnaacac nctcaagcac 660
tnnntancaa cttcaatanc tnannnacna tncanttcgc gncttanact cntntaaatn 720
ntacacacca gctatgcnac cacaanccag tttanctctn agtatcgaaa catacntnga 780
tatnaatcat attaacataa tntacgnaca naacaccnca ntnattnnnc tncctaccaa 840
catacgacnn ntatatncta cgcacngcat angncntcct cncagcacct atcnacnctn 900
ctncaacaat acnnnnancc tgactanaca tactancgta catncctcan tntacttntc 960
tganatacca ntcgaagtgn antnatccac aagcntgcat atcnacgcnc tanatactgn 1020
actcaancta tacatccgca cncnatacac atactctgac ccaangntan cancacatan 1080
ncanctnaac cnacnannac gnnatntatc natntnncct cntnntnacg taatnaacng 1140
acgcanannt aacaacccta tcatacnana atcnaaggct nncatatcca tacgcnacna 1200
tacctctcnt acnctcatgt agangtcnac ncnacnnaac nnntcacgaa ntctaaaacn 1260
atccncaagn aatacgtaac acgangnact cnntngacta nntataacng cncncacang 1320
naattntaaa tncncn 1336

<210> 2152
<211> 875
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(875)
<223> n = A,T,C or G

<400> 2152
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nnnnnnnnca nattttcgaa tcngcgngaa cnttctcgac tgcccngaan atngcanacc 180
attataggga ctagtttgcc tttggaggaa aaggaaaatt gcaaaccctt nnggggagac 240
cnatttgcct ttggaggaga aagccaattt atcatccaaa atcctcagaa ttctcaaata 300
caaaaagttc tgaaaactga aagtttcttc ttaagtttgg tggcaaaagt tatttatagt 360
cttgacttat cccatttgat gtgaatctgc ttacatttca ttgcacaaaa tgtttctgtg 420
attgtgaaat actgttccag aagccactgg gaggtttaac ttaataaata gtatatgcaa 480
cgttttactc ttctaaaatc tgaaaattgt gaattctgaa acatatctca gagggtttca 540
ttaagaattt ttgggcttat acaaatttat gctacataaa tgtttatagt cttgtctttc 600
tctggtatat acgttcttac tttgccattt tacttttagg ccctcaaatc atgccaagtt 660
atattttaag attttgtttt tggcatttca aaataactat ggttactact atgatagtnt 720
tagggatggn gaatagggta aatcctngct ttcaattttt tattttggta ttcaagaata 780
tggttactgc cccaatttat tttggaagtt tttcctcaaa gcgtaaaaag ttttngcttt 840
cangcccagg ctgggtgggc tcancncctc ttann 875

<210> 2153
<211> 842
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(842)
<223> n = A,T,C or G

<400> 2153
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gccagcttgc tcccaggatt gncgtcgtga tcatttggac ctgngatgng gcctttntca 120
atacgtggtc ccctannttg ttgcacaagt tcaacgangt ggtgtggcat gtgagctggt 180
ccatcacagc caacatnctg gctgtctctg gtggagacaa taangtgacc ctgtggaang 240
agtcagttga tgggcagtgn gtgagcnatc agagatgtna acaaaggcca nggctcccgt 300
atcagcatna gtgaccagac ggcccaccng aacnaagcna ttganaatac angtngngcc 360
tgantncccn cccgtcantc caagactgnc cctttcntgg gccaacttan cncaaacann 420
tggggaanaa nccccancct ncaacnggga tttatttttnc cangtaagag tttacttttg 480
ctngccncca atttgattca ttctgnnctt tancgcngat ncgganaatg gnttctncaa 540
atctnacctg tcccaggctg taaaagcact tccatgctta cccatggaaa anaaacntaa 600
caaagtnaat ggtttnaaaa nnntnatatt tngagnncna nttatttann naaccntttg 660
ggcttctcac gnccattana tttcnggggn gggctntttn gnntccccaa agggaanctt 720
ntannaaaac ggtccttant tntttntctt nnnannaatt tantnnatnn ctcntntact 780
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cg 842

<210> 2154
<211> 1236
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1236)
<223> n = A,T,C or G

<400> 2154
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nnncnnncnt tcntttcntn ntnnnntntt cttnntnntg ctttncnntt nnnncnnntn 120
ttgtnnttcn tnnnntnnnt ttcntttncn ttnnctntnn ccnntctnct nnnnntncgc 180
cccncccctct ccntncnnnn ccccccccctc ntctntnntn tntnttnttt tnacgcctga 240
cnngttngaa atgggnnttt tttttnttct tncgcccccc ntgnactncn tcccattttt 300

09/25/2006 15:50 FAX

```
ccttttgcc gacccctctt ttttttggnt ngtntctnnc ctnntcnggg gnnttttttt     360
cttttcctnt tcncctcttt ntctctcctt tttnttcctt ntnttttntt ccnccnntcn     420
tttttccttc ctctctttct cttttctctt tctttttnct nncttnttnn tctttnctcn     480
tccctntttt ccnnttcttt ttcccttctt ctnccttctt ctttnctttc ntctccctct     540
ctccctntnt ctcntttntn tncttcnnnn ttttnttctt tntcctcttt ctntcttcct     600
nttttcttct ttttnttctt cctcnctttn tcntntcttc ttctctcttt ctctttcctc     660
tttccntcnt nctttcctct ttctttttfg tnntctncnt cnctttnttt tcnccttntc     720
tntttctann ttttctntct cntcttctnc ttncnnnntt tntntctttt cctntctntt     780
ctccnctttc nntctctntc tcctcctttt ntnntctctc tcntctctct ctncncctnt     840
nctctcntct ntctctnncn tnnttnttnc tctnctctnt tttccntctn ttntcttctn     900
ntctctcntc ttttttcnnt tctcctcttn tttctncntt ctctnctntc cttcnctctc     960
tcnngtctct ntcttcttcc tcnttcnttc ctnnttttnt ctcntnttct cttctccttc    1020
tcactttccc tntnctttte ccctncctct cnccnttntc tctcnctctc cctctnnttt    1080
nncctnnntc ntctctctcn tcttcttctt tntntnttct cttcttcntn ctctnctntc    1140
tcnttntcct tctcttncct cntcctcnct ctctttctnt ccctctcttn ntnnnttcnc    1200
cccnctttnt ctccntcttc tncctctgc ntnncg                               1236
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<210> 2155
<211> 1378
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1378)
<223> n = A,T,C or G

<400> 2155

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ntnangngtc tnntcntctg ggantcannt cacnncttcn tctntnncta ttgttncccc     120
cccctcctan nnccccentc tnnatattnt ntntaaantg nacgagtagg gccgnntatn     180
ntnctntgan tgaccccngc tgtgtttgta acctgnntat nctgntactc tcnattttgc     240
ntgggnntct ctttantcac tnancggggg ggntttncnt atnantacnt ctngtcntct     300
tcacnctttc ttctnctnct ntatcnnana tncttgcttn attacntncc ccttcttatc     360
ctgggataat ngacnctttct cactttgcct cnttnnttnn cctcatctca agnaaaannn     420
tnngcntccc nnnatcntgc ctcttgtcga gctncactac nngnnnctnc tntancnata     480
ttnnagtnta cnnnantctt atacantcca ctantantcc cnccttanna cgctntcntt     540
ancttcnnct gnacnattna tttanntctn acnattaacc tantanngta gtncnccttnt     600
atttactact gngccntagc ncctgantgt ctatcttaca ntttccgacn ntnnnantct     660
ctncnttccn atgnnctttct nttccnncnc anantttttnc ctcattcncn ncatctnctn     720
antnnctctt ncgnngctat tgtatatccg ctttcnngat attgcactgt actctantct     780
cactatcctt ntctcttacg tctcantact cctacntatn tatcncgant ctttntcnct     840
acantcctct cntatncgta atntactagt cncttagttn ctnnacaann gngctctctc     900
ctcttccntn ctcgctcctc tattcnnctc antanntatn cgtctcactc tcttcttctc     960
cacacntcct ccatattccg acgcgtctnt nnnnctttacn ntagnctant ctngtcccct    1020
anttgtactc actntctctc ncantctaaa ctctttatcg cgtntttctc tcactatctc    1080
tcnacattat actctcatgg atctctcccn tccnnactat cngtttgccg nacnnngtcg    1140
agtantntnt acttatnacg ctcatacang atatatgtat attgtcgctc ctntcttctt    1200
antcntanag natccatntn accatcttgc tcnnattntc acttactctn ctntcatnat    1260
ctatntcatc tgtntctact cgnctcatat accttcttcn natgctctca tttacccnat    1320
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<210> 2156
<211> 1333
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (1)...(1333)
<223> n = A,T,C or G

<400> 2156
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ggtttgggcc ctttggccgg gggnncagga cccaaattcc ccnangncct ttgnnccnag 120
gagcgcttta accgttntnn ncnattctcg ggtatttatt tctctctcgg nnccctttct 180
nggcgntngg gggggggggg ggtttntttt ngtatataca cctctcngag ggngngaaaa 240
tacatncacc nncntntgng gnaaatttac ngtcananac ngccanacca tatactcccn 300
nananatact ttnnntnntc ncaaanncng tacnnctttc tctctannan ttcgaatagn 360
nnnacantcc tntattttnn tattttaact tntacaantg cnnnnanttt ancccttttt 420
actgtaccaa aaanaaaaan cntnttngcc ntttatngag gnntttntac aaaanattct 480
ttctntcncc aatttnnctn nccaaaantn nccctatcnn tctaaaatna cnnnaaaaaa 540
ntttcncnat cctcaaataa nacanacnct atatttttnn aatgngnatt canaaanttg 600
ggcccnccat naaaaaaaaa aancccccct ttctnntnca anattganan tttggcgnga 660
gaatttntna annectcccc ccnntanaaa antttgtncc ctnanataan atntcatnan 720
anaatataaa aatattntcn accnnatann ttntctnacc tcctcctcan ctnactacat 780
atcaancatc cacttctnta tatgngnact ncctnactaa tnnntantat ttcactacnc 840
tcncctntac aatanttta gnatngtcat atcaatccct atncnctant tcttttcnat 900
tntacntcta tnnncntanc atcaacnaat nttcttncta gtatanatct acncnctnta 960
ctcatcatnc actatcatgc tcttaatntn tctctgcnta cnnatnatta cttacatatt 1020
gnectntatt tntnntntac ttctnattnt ctcactcctc cttctacntt tanatatcat 1080
ctctntcnnn tacncgatnt cctatatcac acgnntaaaa tcaacnnaaa tncncantcg 1140
ctcttcntca ncncectcaa ncctnacnnt tcntntcact gttntaactc caattctttn 1200
ttaactctnc atcattctct acntcnncnn tattancaca tntatncact ctatctattt 1260
cntctactta cnactctnta tcantnttna atccnatttc ttacctttat naaatttcnc 1320
naatcttcnc ncc 1333

<210> 2157
<211> 700
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

<400> 2157
gccttttcga ttccgcacga ggtgtggagt gtcccaagnn ccncngnnnn nnanntnnnn 60
nctaatnnac nnctngcagt gaaagtgggg gcagactgag cctgtgtagt gaagtgtctt 120
gaggaacgtc agctgtatct tttaggaaac caaaactgca tagacattga acccaggcag 180
aaggtcatga agtcagagct aagaaatgct agtggggata gggggtgaga tagagttggg 240
aaatgtttca gagctcaggt gacagttgtt ggtgtccagt tggatatgta ccatgaaggg 300
aagaagcagt cagagtggca ccaagctttc tagcctggag gactgaatgg ttctgtgcac 360
atttcanatg gaaagaatag aggcccacag aaagttaatg agatgcattt tatacatacc 420
agttttgaat tttaangacc tgtggggtag atatccaaga tggctattcc cagnaattgn 480
atttatatct tgctacatcg caaaaangat ttgaactctt acncncntaa gatataagat 540
taaatngctg gacgtggtac tcaccctgta tcccacattt tggaggccag ccggtggata 600
cttgagncag gagttcagac aanctggcca catggtaaaa cccatcctct aaacttcaaa 660
antaccangg gnggngggcc ggcctgtaan ccactnttca 700

<210> 2158
<211> 970
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(970)
<223> n = A,T,C or G

<400> 2158
cncnntannn nnnnnnnnnn nnacntcnnn tnnnnnnnnn annnnntnnn nnnnnnnnnn 60
ncnnnncnnn nnnnnannnn tnnnnnnnnn nnnnnnnnta gtncnnatnn ntnnnntnnn 120
nnncnnnnnn nntnnnnnnn nnacccnncc cnnnnnnnnn tccccactcc nntctnnnnn 180
nnnaaatagg nnnntnntan ntnttntntt nntnnntatn nannnnnccc cctttnnngt 240
tgacctgcag gcatgcaagc ttgagtttтn tatagtgtca cctaaatagc ttggcggggn 300
gtcatggtca tagctgnttc ctgtgngaaa tnggtatccg ctcacaattc cacacaacat 360
acgagccgga agcataaagt gtaaagcctg gggtgcctaa tgagtgagct aactcacatt 420
aattgcgttg cgctcactgc ccgctttcca gtcgggaaac ctgtcngtgc cagctgcatt 480
aatgaatcgg ccaacgccgc cggggagagg cggttttgcg tattgggcgc tcttccgctt 540
cctcgctcac tgactcgctt gcgctcggtc gttcggctgc ggcgagcggt atcagcttac 600
tcaaaggcgg taatacggtt atncacagaa tcagggggat taaccgcagg aaaagaacat 660
gtgagcaaaa aggccagcaa aaggccagga accgtaaaaa ggccgcgttg ctggccgttt 720
tttccatagg ctcccgcccc cttggcgagg cattnanaaa aaattcgacg cttcaaagtn 780
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cttcancnct 970

<210> 2159
<211> 786
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(786)
<223> n = A,T,C or G

<400> 2159
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cccaggtttc ctttccctgc tcccttcctg cttctaattt cagccaaaga gaaagcaaag 180
atttagaaaa gaagggtagg aagaagctgg aatntgaatt ggcaagagaa gtnngaggtt 240
gtcttttcta gatcaaaaca atttttaata ggctgatgtt cacatgttgc actttctaaa 300
gcccgtgctt gacctcctaa ggaatttтaa gtcctattct gataatcgat ttatgaagta 360
aattgccatt aacgcctctg ttttatagat taagaagaaa atgaggtcac agataaatat 420
ccgtgccnaa acgacgtggt ctttgaactg acctccaggc acgatgtcat tatttaactc 480
gagaaatcac agcttctgcg tcctaccatt ctgccaatat tcacaggcca agaagctcaa 540
cttaacaccc ctnggtagaa aaaaagaaga ancccnttaa atatttgctt ggaataccgg 600
gaaaggagaa aggggaaata attnggaacn taacctntgn ctnnggggagg ggggaaaaan 660
canatnntgg gaananatcc cacatcgcac cccctgntat ggaaagccnt tttgaacaca 720
nantngaant gggaggngct ttnttnggga aaaaccccтn tcccanantt tttttggaaa 780
ancnat 786

<210> 2160
<211> 754
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(754)

<223> n = A,T,C or G

<400> 2160
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gaaggaaagg tcgcagcctt caaggaggag cacatctacc ccaccatcat cggcaccgag 180
cgggacgaac gctccatggc ccagtggctg agcaccttgc ccatccacaa cttcagtgcc 240
accgctctca cggcaggtgg cacgggcgcc aaggtgccca gtcccctgga aggcagtgaa 300
ggggacggag acactgactg aggcgatggg agctgcccac cagagtgcct ctgagcagct 360
cacagtgtgt gcccagatgt gccacccctg tgggcagcaa naagctggga tcnctgcagc 420
catgttttcc cggncatgcc ggcgttgtaa cctcaggacc tttccttgta ngaacagcct 480
ttctcgaatc tgntttcagc tcttgcattn catanatgaa accncagcat gtnaaagaac 540
tatttttta aanaagtgat ttttcttatt anaccnantc caaattttta aaaaaaaaaa 600
aaaaaaaaaa aaccncganc tcntncnnnn ttttccngng ccccntttac tntccntccc 660
naaaacctna tanaaaaacn tttttgtnna tgntggcnan aacccccnn tcttaantnn 720
ncnnntccnc nnncncccn cctcctnccc cnna 754

<210> 2161
<211> 1109
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1109)
<223> n = A,T,C or G

<400> 2161
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gngatgacna tgnnnaattt ntataganga ttatgggagc nnngccgatg tannntatat 180
gnttgtcaca tttatcntat tcctcnatng tcatattaat atnnnttnan cgngcgatan 240
ganngtgggg gggtgcgnca tnnntagann anttgntcat ggaatagnat ncgtannttt 300
taancnaatc cnngttnatn atntgancac ggnccntatn aggacgnatt gannnntnnn 360
gagntantaa nantgnnnac ncggnntnna gaggtngnct cnnaancntn nttntcantg 420
ngaagtncnn cnnncntann nnataatgng tcntagnnnc aantnnannt ngtgannant 480
gtgtgatgna nnnngntata tnnanngntn gnntnttaag tnnnnnggan nnggncngng 540
ncnnnngtnn nnnnntngnn tannanncng cgttntatgc nattgngtnt canctcagtc 600
tntcngtcan gnnnnngcnc gannnngtan tancntgntt aganntngan angnntncgn 660
tngggagtnc nntgngggac tnncacnacn nnnngattnt cgcngatgan cgcctctgat 720
atnnncggnn cntnatncat gcncgtntnt gacctanann agntcaacnc ntgnatcntn 780
actnnnttna ncnnnntgtt annncgannn ggnntgtncn nactnnntnt gacnnntcac 840
ncggtgttan cntgnaganc acanacgant gcnctntgtc tannngnntg anaaccgatg 900
tgttgcacgn aatntatctg tanatttcnc ntgnngngca tagnnnagng naaatngang 960
cacgnannnt ggcataantn atcanannan tcgtnattaa ttgagtntat acggantnat 1020
annnnntgtc nggattatac gatatangna cntgtncann atganantat gaatcnanat 1080
gnacattaag gatngggatn tanacgaag 1109

<210> 2162
<211> 978
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(978)
<223> n = A,T,C or G

<400> 2162

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ggtacatttt atgtctatcn cccttagtgg gcgnggctca tgnattannt nncacgggat 180
tcnacttgat gtgagntgtt gcncanntnt tnattttntg agntcangca gnangnntag 240
cnnagtttan nannntgtaa gantgcngcn ttnaagtant nnangggcgt ccagtgntng 300
tgaaagnngg tagnanatan ccnnnggaac ggnttttnga nnnanangcn ganccgcngn 360
ttgaanagga nnnatgngcg aggnttangg tgnantngnn anntnannca nnatnntntg 420
tgggcnannt ntnnnnattc ngnntgcccn ngntnnancg gatanccgng nnnggnccnn 480
ggatnattnn gnntnanatt gangngantg angcnangnt nnnnntngtc nnncgccctn 540
tnatcgtgtg tacgngncnn ctgtngtnta ncatgtgnnn ncatagnaac nanantcgnt 600
atgngnannt gtntatggaa attnagatgn atatggtttn tannggaggt tgtnnnnanc 660
agcgntnnan ctnnnnnggn tantntcaan cgntagnaac ntngtgtgcn tnangaggng 720
ntnnaagnat ngtgcaggaa gntggggctn nnnttacctn aatntnngna gntctgnnnc 780
atagtnacnc nntgaaccnn cctaggnaan nngnctnnnn ccngnancng ttnnngtntt 840
angcaccntt nnagaangct naannccggn ngnnngntga attagncgnt tgagnggngg 900
ngntcganta aantgggnnt gatnataata ttatcnangc ncnannatgt gncgtatggn 960
gcaaattcag gcnnntan 978

<210> 2163
<211> 778
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(778)
<223> n = A,T,C or G

<400> 2163

gcccnctcga atttncacga cggacngcca gcccaccatg tgtttagatg ggatantatg 60
gtatttttca tgtgtcattg cctggcatgg tntatattcg actacattca ctcaggggtg 120
tcccagggtg gcacactgtg tntttcaaaa cttgannatg cagtccgcct ggttcatccg 180
cgaanccatg acaatataca ttttttttgtc tgcnttangg gacccaacta tnanctggag 240
aactggncgc tacagattac gctgcggggg tacancagac gaaatcctac atgtataact 300
acagctctgt gactgtatnt aaagganaan agagnnntnt tataaantat gtntanataa 360
atgctttcaa aaantctacc ttctgcagtt tttatcacat gtatgtctng gtnnctgccc 420
tttaatcatt ntngcatggc ccttgccnct gtgaaaaaaa aaaannncatc ngtagtcttt 480
ggccaaantg atncaatttn ntttttgtgg aanntngnag anntcancnt agaattgctt 540
tttangganc ctggncccgg ttnantcntn ngntggctnt attttttta aaacaanatg 600
aantcaatct tttctctcag nccgcttntn tcaananaac ttttgnnccc ggcattnnnt 660
cantanaann aaannteent tnctttgctc acgcaaccnt tttttaaaac cntttaaccg 720
gnnnggcagc acncntctgg ttttctaann tttcannaan antcctcnca nncggana 778

<210> 2164
<211> 1165
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1165)
<223> n = A,T,C or G

<400> 2164

ggggcntggn taannnganc ncgcaggtng ggcgngactn tganntncat tannttacan 60
nncggntaat nagtntgcan ntaaaanttn cnnnttgntt ntggnnnttt tcntaaatan 120
ataacatttg cgnntgagnn cngttccntc aattgcccng ntggcgggnn ngacgnnann 180

ccttnnnnan ggcnangnga cntgcngntt gtncnnnagn tnacttgnna tnnaatcnct 240
tgncngccnn angtnngtan ntnggngaaa anntcgntnt nntnccnccn nttncnacgn 300
nagtgnagta ngatnggctn aatttntctt aagnntattg anngganncag tnntncgnct 360
aatnntcngc naatcgngtn cagtgnatna gtcgagnnng tatctcgctt ngtnantang 420
tncnnagtgt gtgtangtcn acgcggctgt gganttgtat tangagtaan nnacgcgncg 480
antgatnagn nattgctatn gngntantnn ttcagcggac nttnatnntg cgaggcgtgt 540
tatacantga tgaggntaga tanctntctc cgtntgataa tntgancgag agtaagngcc 600
nngngtanag angnnncntn ananagangt gagtatntca gaagncgngt atttncgata 660
nanngtagcg acntnccgcn ngnatgtcta nngnctngga cnagctgnnn atnatatgnc 720
agatgnaanc ctnatntgtn cntnaacang nanacacgag atatatctng antanncgnt 780
gtatntatat atgtgnttnc nagattgtnn agacganatg atcntatant atgnngaatg 840
tggcngtata gangcgttaa acnnagncgn agttntnngn taannnaact antcntngnc 900
aacgcaatat gtggcnaaat gatnctccat cttanagcng cgcgnggatt natattnntt 960
aanaacgatc gttgtgtntc cacngangaa gtnnaatgat ntnctannnc angtatatga 1020
ancggagnaa gttnnatgat cnnnaatant ngtgtnntan atcgnatgta tatagtgcna 1080
cgnantnctn gcnngaanta ganctnntnt tntgntacnc acaatntcnt nancctgcnn 1140
nngantatta cgtcnntntn gtgan 1165

<210> 2165
<211> 1271
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1271)
<223> n = A,T,C or G

<400> 2165
nnnncnnnnc accccaccac tgnccgnaaa actatggana nnaaaannnn tgggcnanng 60
ntcntgaaaa agggngatgt atggatttan atccncattg gcgtctcaaa ananganggg 120
angactagga ggggggtgaa ttanntntgt catanncgag gngntntnaa tannatnann 180
atgcccgatt ntatctnaaa ctgtannctc cnatccnatn tattngcatg cnacagtaac 240
gtacnccatc tntacnnact atctaatctn ctcgngnggg ggnggtgctn ttntntatgc 300
aattntaaac accgcgantt ntcntataan cgcatcgata tactgnctcg tcacacncgt 360
ancgccnctg atagttattt gatcngcnat nccncccttn ttgnnncnaa tcnnaccgat 420
acgntaccnc tnataacnnt nnnnntgctg nantatntcc cnntatcnct tcannnaang 480
nacnccntgt nntncatnnc nttcngcttc nnncaantna nctgntctag ctnagtnaac 540
nnaananccn ttcncnatnt ngnntcnntn tntgtcnnta ntnannntaa atnnnccaan 600
cancngnnna anttcatatt nnnccncnng cacacgnagt aatgcgtcan tntannnctc 660
gnnnnnatnt annatctacn ntctttatcg ncnntntgna ctgnnnatnc naatnnncgc 720
caanncatnc anntggntgt ancnnnnnat nnacannngn nttnanntcc ncnatcnntn 780
nncgacnnng aatcatannn ngcnactgta agnantanta cgctgtgnna tnannttgcg 840
ncatctgacn cgantantnc gacntanata tcatntntna ttnatntacn cgcatancnt 900
gnnatnatnt antnncnnat tcaaaangta natgcgncta tatnnccncc ntnngataca 960
tnntcngacn tnngtaagat atcggngant anatgntgnt ccctactngg gtnanactag 1020
cnctntncaa gtngatcgnt ntntgtngtg taagacntgn cgtcttntgt atacgaanng 1080
atacgccgtn ccccnanata tangntncnn tnngacgata ntacatcctc aanagtatga 1140
ctctnncgca ntgaatagtt atanatanat atntcanatg gatnggagtt attannatgt 1200
actctactta tnctccgact attatgtaca ccgtnatgta cnancgatac taccntataa 1260
tntacgcgnt g 1271

<210> 2166
<211> 740
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (1)...(740)
<223> n = A,T,C or G

<400> 2166
cctttnttaa aaaacnagcc acaaaatccn cccntggatc tagtctggat ctggacttga 60
agggaaacat ttttcttatc ttttgctata agggacatta gtgggacact tggcaaaatt 120
taaattaact gtagattaga taatactatt gtattgttaa ttttctggct tttattctac 180
tttgattata ttataaaagt ccttgttgtt aggaaataga cactaattat tttgggttaa 240
aggaatatca tgtgaaattc actttcaaac agttccaaaa aacacagtga tatatatgta 300
tatatatggg tgtatacaca cacacacaca cacacacaca cacagagaaa gcagtgtaat 360
aaaagttaag atcatttggg aaatctggga attcttttac aatcttagga actattctct 420
aatgaaatta tttaaatatg aaatgttacn gtatttaata tgaaaaaaga gngagctcgc 480
tgtatgtatt ctctcatgca aaagtatcgg ccatattatt gccaaggnca aaagcaagtt 540
tttgaaagta ggatgtatan ctctgtcccc atttttttgtg aaaaaatggg atgtatgaaa 600
tgcatgtgca taanaaacca atctgttggc ccnggggcng aaggcnccnc ccctgtaatt 660
ncnacnctta agggaaggct gaacccagcc gganccanca aggntcaggn naantgaaaa 720
ccttncnngn ttaaanaagg 740

<210> 2167
<211> 718
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(718)
<223> n = A,T,C or G

<400> 2167
cctntnatcg ccaagtgact gtgctccctg accgcaacaa accgacctca cactgatggg 60
aactggacat gtggaagagc tgctggctgc atcagggaac aggaggagga agagggtcag 120
ggtggagagg aagatcagtc agtgggcaca agacagtcaa atgggcaagg cctgcctcgg 180
ggaactagaa ccttccagga tctggagccc gggagagcca cactgtgggc ttaatgtgaa 240
tagaggaaca agtgggtatc tctgccaggc accccacttt cttctagtaa catgggctca 300
ggggactcag ccctggacag agagcctcca gagagtgaac agtcttccag atctgggcca 360
atcatcctgg acagaggccc gcgaggcagc tttgccctgt ccacctgttg ggtgggcaga 420
gccaccagga acccagacac cacctccaac tctgagcctt ccagagcttc agcctctctt 480
cgtcgtctta ccccactgaa accaacaggg gatcgggcca ggctcccaga ttcttgagga 540
cagggacttc ngcatttact aattgggggg actactgtgg nggtaagggg gcgcctgctt 600
gcctgatnca ngatggggtn nagggacaag tgggccggtc ctcactcacg gantgggggg 660
gtgtangctg gcccaccccc caaggcttgt ncancnantn ttcttccccg cagggcca 718

<210> 2168
<211> 739
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(739)
<223> n = A,T,C or G

<400> 2168
ccntcnttcg aattcgcacg aaggcacccc ctcccggggt gntggttcct ccttgtcacc 60
tgcctcctca tcatggaagg gggtgggcta tgaaagccgg tctcaaagat aactgcatcc 120
ttcattccag gaaagcccta gaattagggc acattgcaaa ctgaaatatg actataattc 180
ttatgggacc aaatttaagc aatttttgtt tttggctgaa gagacaccaa aatattagag 240

gacaaatatt tttagatcca tttaaggagt tttgaagtgc ctaagatgac ctatttgtca 300
gtggtgcaaa attaattctc ttctttttg agttgtagtg aatatgcaat ttctgtgttc 360
cccttccacc ctttaaatct taggatgaca agttataaag aaagaagatc tttgtctggg 420
acccccaaag ggatcctttc tctaaggtct ctgacagtgg gtccaggacc agacctctct 480
acaaaaaatt gccccaacta cagtttgcaa ccccaaacca cattagaagt ctgtgcagac 540
atccctccgt ggtgtgtgtc ttggngcatt ggaaaaggag tcaggagccc actgtgangt 600
gagaatgaaa agtggatctc aacttgggca cnggggggctc acgcctgtna atcctaacac 660
cttgggggggt caaaggtggg tgggatcact tgaggncaag gagtttgang ccagcctggn 720
caacattggc naaacccct 739

<210> 2169
<211> 732
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(732)
<223> n = A,T,C or G

<400> 2169
nctcacccat ttttnacagg attttatttc ggtgcatgca ttctgctcca agtgtcacaa 60
ttctggntac aataattata atatttggag ttactactaa gactttcctg aaagaggtgt 120
attgtcccaa attttgtaac ataaaaaaat actaaatgat cttaaagctt cctaaattgt 180
gaaaagggta tgtgctaaca tctcagaact ttanacctgc ttgttgtcat ctttaccgat 240
ctctgatgat aaatgcagaa gggatctgag agtttttaaa gcaagtagag tcaatcagag 300
ttttgaacat catagtaata cttccgtgat tcagagttag atcatataaa tcaaagtaac 360
aatttggatt ttttttaaac aacaatatca taactgtcat aaaacagatg gtccaacccc 420
aggagcagat aataacttgg gcagctctgn ggggaacaag acggggaaaa caactgttct 480
aactgcccac tagaacagtg gtttnaacta ctacaattct cagtgtttga naggtcaagg 540
gaagaaanga ctatgtggat cccttgtggc tatgcagata ctacctcacc agagttgtcg 600
gtagaanact ggtggtttgg ttcaaacctt gtgantaaaa gagttggcca acctttttant 660
cttttggaat aaaagccacc ntttctnanc caaaaaaaaa aaaaaaanct ccccccctta 720
aaaattattc na 732

<210> 2170
<211> 803
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(803)
<223> n = A,T,C or G

<400> 2170
cccccntcga ttcngccgag tggccaaggg tggggccaag actccacata gatccanggg 60
ctcattccat gatgctctca tttcctanag tcctccaggt gtacagggaa ttgtttcact 120
gacagacagg ccaggatatc tcataagctt cttgggcaca agttggagtg gtatgggtgg 180
aattccagca caattaggca tatccgtggt tgggtgaaca caaccataca agggggagag 240
gtctctacca gtggcctgtg cagncctgcc atgttctttc ctggtcaatg ttttaaatga 300
taacttgnaa tactactaaa tacagccggg ccgcagtggc tcacgcctgt aatcccagca 360
ctttgggagg ctgaggtggg tggatcactt gaggtcagga gttcaagacc agcctggcca 420
acatagngaa accccatctc tactaaaaat acaaaaaatt agccaggcat actggcangc 480
accctgtagt cccagctact ccgggaggcn tgangcnnga naaatccccn tgtacccccg 540
ggaggtggga ggttgcacca gaagcccaaa nattcgctac ccacccactg gtactttcca 600
gccgtngggc caaacaagan gtggaagaac tcttgtcttc caaaaaacca naacnatnna 660
aaaccctggg cgggggggcca acaagcnggc ttnattgccc tggtaaattc ccaacaacnt 720

tttggggaag gcccccanng cananccgga ttcattgaag ntcacggaaa ntgngaaaac 780
ccnnttcntg ggcccaacat tgg 803

<210> 2171
<211> 763
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(763)
<223> n = A,T,C or G

<400> 2171
cncccccccng ttntggttgg gaggtnttct gaacttaaaa aggaaaatng caaccattnt 60
agggactagt tgcctttgga ngaaaaggan aattgcaaac ccttataaag accaatttgc 120
ctttggagga gaaagccaat ttatcatcca aaatcctcag aattctcaaa tacaaaaagt 180
tctgaaaact gaaagtttct tcttaagttt ggtggcaaaa gttatttata gtcttgactt 240
atcccatttg atgtgaatct gcttacattt cattgcacaa aatgtttctg tgattgtgaa 300
atactgttcc agaagccact gggaggttta acttaataaa tagtatatgc aacgttttac 360
tcttctaaaa tctgaaaatt gtgaattctg aaacatatct cagagggttt cattaagaat 420
ttttgggctt atacaaattt atgctacata aatgtttata gtcttgnctt tctctgggat 480
ataccgtntt tactttgccc ttttacttta ggccctcaaa tcatgcaagt tatattttaa 540
attttgcttt tgcctttcaa aantanctat ggttactact atgataggtt taaggatggg 600
gaaaagggta aatcttgcnt tccatttttt taattttggn aantccanaa ttatggttta 660
cctggcccca attttaattt ttgggngttt tttttccttc naaagccgtt aaaangtttt 720
gggntttnan ggnccaaggg gggnggnngg gcctcaccnc ccn 763

<210> 2172
<211> 1113
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1113)
<223> n = A,T,C or G

<400> 2172
acgggggagg ccctaccngg ttaatgcggn aanattcngg gnnnaacggg aangnnaann 60
ataggatttt ngtaaaagat atttcccaat gggagccaaa ntnggttcan ctnggctagc 120
ntntctgnnt atntgcgcnn aatctacgcc ctntancgtg gccaantatg gnatgggggg 180
ttaagannan ggctcgccac tntgctntgt cntntactat ctatatttat agggggggggg 240
ggggngagcc nctnttttcc cgcccacact atctnggtat gacgccnntc nntctntcgc 300
atggatgtgg cacatantat tgntntnacc atttaatgtn tctgnnaatc catngggnta 360
ccacgganat atgtaannan ttntatgcgg cnctaggntc tccgcnaaag tctattgnnn 420
atnatgctnt ctncntactn ccngcgtgaa nattacgnct ncngcccctn ncttaannct 480
gnntttntng aanatnctcc ntntacacnn tnnntacncc tanttgtntn ctgcncnncc 540
anaaatatcc ntnccataac ttncangnnt cgcacanngc nnaannnctn tcccttctcc 600
catcccattt nnncnnnatt naantntcgt atananttnn gaancttatt ngaancganc 660
cnntcaacnt ngncgntctc nttntntaaa ttcgaagntc tntgggnnnn aaaatgncct 720
ggccgccntn naaggngntt ccccnngnaa cantcttccc nttgttnnan gttgtggann 780
ntaaaatngg gtnctnantn cnangnccna ancgggctng gggagaanac attgnctncc 840
gggtaaaant aaananatat anntccnntt actcntctnc atatagaaan aannagnagn 900
ntcctctcnt tttcntgcnn naaanctatt atncgncggt aatnggccnc tagnaaacat 960
nntgnnaaaa nnttcntntg ncctcncata taantgccac taaatcntnt cnnnaacntg 1020
gtggggntta ngaganaann ttccttcagn nnttctnatn ntgggatccn ctnngnggaa 1080
cannatnatt tctnnncann gnggncaana tna 1113

<210> 2173
<211> 736
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(736)
<223> n = A,T,C or G

<400> 2173
nccnttcgct gggatggctg actgctgtgg ccgggctggg cagtgtgccc caacagctca 60
gtgctttcct gacactccag tgtctggggt ggttgaggag ccgagttctc tcttcctccc 120
agaccaagtt cctccctcgg gtttgccttg agacgtgttg cgtttttggg ccccgtggcc 180
tctccctgtt aggctgccac aggccctgct tctggaaggt gaacagctcc tggctgctgc 240
cgagagggtt ctcgttgggg tcaccaaagt gtgcccggct gctatgaaaa acgttgggaa 300
tcttggtttc agtttttttat tctatgctag gttgtacaga cttatttata tcatcgtttt 360
gagggactaa tggaggctta ttgtaacata taatattann tgaaaccatg gaattatatg 420
aaaatgatac atgagaaata angaaactnt tttgctgatt gnaaattttt gtgggaaatt 480
ttgtgataac cttgagaatt atacttgntt gaatcnaagg ccacttcttc tagaatttat 540
tggtcaaatt ctgncatatt taccttctaa atctnctctc aaaggggccn aaaagatacn 600
tatctttact gggaaaaaaa aaaaaaaaaa cccccccccn tttaaaactt ttanggggggc 660
cntntcccgn anancccnc ctgannanac ccnttngtgn gttggggncn nccccacccn 720
taaaaaaccn ccctcc 736

<210> 2174
<211> 835
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(835)
<223> n = A,T,C or G

<400> 2174
tnanncntat aanngtncca ggagataant agactanntn cgcctncgaa tgncntgccg 60
ctcggctcac tgatattgga gtactccgan aaggggggatn tattttggca nnnatgttnc 120
ttttnnnctg ntgtnttnaa ngcttcctat ttttatanca tatcgcgaac ttngttcana 180
ccnacttgcn cnnnaacaan atnacagccc nnngctgtcn gtgaantagc nggatatcac 240
accantgcan antnttgggg tattggcnng acntgtgnct cgaatcctcc agagtttnan 300
gcggngggaa tcacangctc tggtnnnggg tgcntntgga aacattgtgt tgcngaangc 360
ccacatgtta tgcncaaacn aaaacntggc gccntttgng ncatatgtnc antgananta 420
aattcnncnc cccnatacct ctatnngnnt gtggtnntgn atgncctaan accctatnan 480
tnnctcgntc ntngtcnnca annggtccat cntnaatnag ngannttctc ctgnnnnttt 540
catttgntac cccaagaaca ananttncaa agtttattnn naanaactca acggaaantn 600
nctttgttnc tattaacaan aattaaaatn cntggnaatn ataatcaaac atagntnnta 660
ntccctttt nnncgtcann naataagctn cgncatatac nngcnnaaat nnnagaataa 720
cantatnggn nnntanacnn tacngnnann gngngtgcnt gtacnttaca tttctantaa 780
tggcagggnt nanatgggtt atctatatca ngggnctntc tcgaaaatna ntcng 835

<210> 2175
<211> 773
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(773)
<223> n = A,T,C or G

<400> 2175
ntntnttcca nnccnncaan atatncctaa ataacatgtc tnacntgntc ggtaagactt 60
actgcaccct gtnctataag atagaanatg ccctgccctt acaagacaan ganactgtag 120
agctatgcct tctaaatctt aanccactct tnagataatg gatcccttna tggccagccc 180
aaacatctca ngaactttta ntttgcaccg ntctgttttt ntttccattt atttaatacc 240
acnnattcac tntattatta tgaagccaat atcnacatnt tttcacaang attctctnaa 300
gaaatgcaga antggccggg tgcagtggct cattcctgtn atncccagcn ctttgggang 360
ccnaagcggg nnggattacc ntgtngtcgg nnagntcnag accncgcctg acnaacatgg 420
agaaacccct gtctctacta anaanacaaa atcngctacg cgtggtggca catgccctgc 480
ancccagctn ctacggangc tgaggnagaa naatccnttg ancctgggaa gcnncangtt 540
gcngtgaccc ncaacatttn cnccattgcn cttccagcct nggggaacac gnagcnaaaa 600
ttccngtntc nagnaaaaaa aaaaaaaaaa nacanntntg nngnccttnn anaantcnct 660
cagnggngtt tctttnccnc taaatcccan nncatgnnaa naataaanct ttgggtnncg 720
tcttgggacn naaccccttn tttnnanaat tnnccnttcc nctcctctct nna 773

<210> 2176
<211> 1067
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1067)
<223> n = A,T,C or G

<400> 2176
gaannggggg gggatcngtc anccnntgct anttnctggt gaaaggnnna nnaatgataa 60
attgattaat tttactagaa gaacnncgan actncncnct aatntntgga ctggnggtgg 120
ggataggagt nttgacgnct cacancacaa tgngaattna gantgngngn nagtatatan 180
atttancatn atagnntggc ntangggtnn gnggnggggn gtatgttttt ntncntatng 240
ccanacttgt gcatcacatg nttanacatg anagcncncg atantatatt tanttcntgt 300
cgngnctnnc ntnanntnnt tnnnnntnna naatgtnatt ntatcgatng tcatgatgnt 360
antcnttntn gccncgnnan ananangtnt acgcggnncn nncngtnnnc nnnaagccnc 420
gtnggnnanc nntgnnncga nnantgncna tatactnngt nnnntnacnt aantnaannt 480
natgnnccgg anatacgttg tttnnnnacn acgaantann natgtgntag acnagtagnt 540
ntgttntaag aaaggnntna cgannntnat nnncnngaca ngnancnnaa gcagatttgt 600
nnantggtgt tcggcaaagt cacancnang ncacnnaggn gtttgnntgt gagnnnnatn 660
nctnncgnag aggnnanatc tatannnnat ggancnctna ngtnaganca tatctatntn 720
nctgttnaat tncggnnngt gggnnannna tcnntgatnt nntanccncg tnnnaangtg 780
ncgcngatgt atcgcgtgnt gntatcnnna tacnaaanat ttaatannna tgncgcggnn 840
ttatttgata acggannngc gacngtgtgt ntgntttatn ntaccgcact ncgcgtcgcg 900
ncncnncgnt atatnangag tnnanatnnt tgatgtnaga tgtctnggga ngatntncnn 960
gttacgnacg cnntcngtag cnngnacncg ntnggcnnat ancgancntc gatttctatc 1020
anttntggnn nncgatntag acanatatnn agtcgncgat atngngn 1067

<210> 2177
<211> 978
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(978)
<223> n = A,T,C or G

<400> 2177
gatcgtgnna gattnctcan ctctagnntc ttaannctac nnaaatatgn cattatcnnc 60
acanacntgc ntcntgngat gcntgatngn ttncccatcc cttctgnata tnaaccanct 120
tgccnttccg agcancagtg ccacatnnnt ntggnntgtn nacagtccnc tcnccatttt 180
tcctgaaccg anagntggna ngactnanag tananaatgc aatatnttcn naaccacttc 240
nttaccnaga nnaanttnac ncantntaaa ccnnantatt cttaaanaan tttactcncn 300
aaaacnccta ttatntaaan tgccntttga atnnaagntt nttntcattn nnggtnnatc 360
cggncngnag cctaatanng tgtacgntac tttggccgcn ttggatgngn ngaactcttc 420
attaanctgt ggnnanggnt cantaatncc gntcgggtat ntcctttatg aancangaat 480
catatcnnag gnttannnct ttnnngtcta tncccctttc taggntancn nctaaaanna 540
cntgnggcct tgnnntcntn tnncaaaata atctcacant gnatgagcan tgtangaana 600
cntcncttgt ggntaganaa tnatctnata tantccanac cctctntngg nnaaaagngg 660
cgnanacntt ccccgnnant cngatagtan gtccccngcc tcntagtgac ttttcntgna 720
nanaaataga acatnacanc atttnttncn gcannnttnc ctcncaatgg natccccctn 780
ngggtccttt agntnatntc anacnatnta aggntgannt tcctctctna aanaatctnn 840
ctacangggt cacncaaaan nggnatataa ngctcttntn ctnttccctn ggtngngaga 900
gtcttntnna tcttngangg atcccacaac catagtntat attanttggg acgcgngngn 960
gcgggccctn ttgtnngt 978

<210> 2178
<211> 739
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(739)
<223> n = A,T,C or G

<400> 2178
cgggnggngc gaattctcac ccttttagtt ctccaaaatt taagatactt gatttcttag 60
gtaaaatgtt tttgtttttg ttttggagac agagtctcgc tctgtcgccc aggctggagt 120
gcagtggcgc gatcttggct cactgcaaac tccgcctccc agattcaagc aattctgcct 180
gagcctccca agtagctgcg actagaaagc gcatgccacc acgcctggct aatttttttgt 240
attttagtag agatgggggt ttcaccgtgt tgcccaggct ggtctcaaac tcctgagctt 300
aggcaatcct cctggggcag cctcccaaag tgctaggatt acaggcgagc catggcgcct 360
ggccagtaaa atgttttcta tctagaatga atcaaggtat tttccttgct cagtagcttc 420
tagaataaga aaaaaatagc agcaagatct gattcagaaa tagttgggag cagaaagtta 480
atatgaagga gttgctactt gttaacagcc tagagttgag atctanaaga attattacct 540
ttttaaattg ntgatgaaag cttaaatcca catttgggaa gttactctat tggctgaact 600
attttggagt tttggtaagc tttggattaa anattcctga tttaactgaa acttaatttt 660
gccacatagc ttttnaattn cattcccang ttttacttgn ttttanctgg ccntnaaaaa 720
ctnannaatt tngaacnnn 739

<210> 2179
<211> 773
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(773)
<223> n = A,T,C or G

<400> 2179
ncccnnttgc ggngaaatac tagcgctcct ctactntctc taacggnaaa gcagcnggaa 60
tacaagagac tgaactgtat ctgcctctat ttccaaaaga ctcacgttca nntttcgctc 120
acacaaagcc cgggaaaatt ttattagtcc ttttttttaaa aaaagtnaan ntaaaattat 180

agcaaaaaaa aanggaacct gaactttagt ancncagctg gaacantccg cagcggcggc 240
ggcngccggc gggagaagag gtttaattna gtngattttc tgtggttgtt ggntgnncgc 300
tagnctcacg gtgatggaag ctgcacattt tttctanggg accgagaagc tgctggaggt 360
ttggttctcc cggcagcagc ccgacgcaaa ccaaggatnt ggggatcttc gccctatccc 420
aagatctgag tgggacatac ttttgaagga tgggcnctgt tcaatcataa gtgtgacaaa 480
aactgacaaa gcaggaanct tatgtactca gtgangagnc ccntgttttg tctccaanag 540
acgntttcnt tttnaanact ngtggtnccc ncccttnttt ggntgaaagc attgtttccc 600
cctgtttgaa agctttgntt aagggatnnn agngggntnt gcactcaatt ttcaactttc 660
ttttttcttc cttggnanna annttccntt gaaannnctt ntttcaccaa angggtccc 720
cancncccgn natttttcng gaaanaaant aaaagctttc ttttaatgcc nna 773

<210> 2180
<211> 744
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(744)
<223> n = A,T,C or G

<400> 2180
cnttttttta ttcgcacgaa gaacgacccc gaccgaccaa agcccgcgcg ccgctgcatc 60
ccgcgtccag cacctacgtc ccgctgccgt cgccgccgcc accatgccca agagaaaggc 120
tgaaggggat gctaagggag ataaagcaaa ggtgaaggac gaaccacaga gaagatccgc 180
gaggttgtct gctaaacctg ctcctccaaa gccagagccc aagcctaaaa aggcccctgc 240
aaagaaggga gagaaggtac ccaaagggaa aaagggaaaa gctgatgctg gcaaggaggg 300
gaataaccct gcagaaaatg gagatgccaa aacagaccag gcacagaaag ctgaaggtgc 360
tggagatgcc aagtgaagtg tgtgcatttt tganaactgt gtacttctgg tgactgtaca 420
gtttgaaata ctatttttta tcaagtttta taaaaatgca gaattttgct ttacttttt 480
ttttttaaaa nctttntttg ttaccncaca aaacacttca ttgttgtttt tnggggaagg 540
ggcatatgtc nctaatagaa tgtttccnaa gcctgggatt gatttggana aaacaccttt 600
cccttctagt nttgaaanac ttccttttgn gtncccaagg anganggga tcccttgact 660
tttgacacac atnggcnccc ttttgccaca aaanccnttg gggttnaaaa aaannaaatn 720
nggtttttat ntccccttt tccn 744

<210> 2181
<211> 741
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(741)
<223> n = A,T,C or G

<400> 2181
ccncnnntng ntganaccaa naggtacaga tgaaagtttt tagttgaccc atgaggcgac 60
cagaatttca tggatgctct acagggcttt cttgtctcct ctaaaccctg ctcatcaact 120
aggaaacctc aggcttgaag agtgtcgaat tatgtcctct gcaaaaaggc cactgtggtt 180
gaattgggag aacccagaca tcatgtcaga gttactgttt cagaacaatg agatcatctt 240
taaaaatggg gatgatttac ggcaagatat gctaacactt caaattattc gtattatgga 300
aaatatctgg caaaatcaag gtcttgatct tcgaatgtta ccttatggtt gtctgtcaat 360
cggtgactgt gtgggactta ttgaggtggt gcnaaattct cacactatta tgcaaattca 420
gtgcaaaggc ggcttgaaag gtgcctgcag ttcaacagcc acacactaca tcagtggctc 480
aaagacaaga acaaagggag aaatatatga tgcnnccatt gacctgttta caccgttcat 540
gtgctggata ctgtgtagct accttcattt tggcgaattg gagatcgtca caatagtaac 600
atcatggnga aagacgatgg acaactgttt catatagatt ttgnacactt tttggatcnc 660

angaagaaaa aaatttggta taaaacgana aacntgtgcc attttgtttt gacacncgaa 720
ttccttaata acngattant n 741

<210> 2182
<211> 770
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(770)
<223> n = A,T,C or G

<400> 2182
nctcnntntt atctcccaag ccannccttg gatgaaaaca tgnacctctt ggaaggtata 60
ncnggctttg aagactctgn ccnacagttt atctgccatg ttgtgggtat cacttaccag 120
cacatngacc gctggctgnt ggccgagatg ctcggggatc tgccgggtaa cgccctctgg 180
gtcctggngn natctgggag gttgggggtg gctngggcag nggncctcag tcagctcctn 240
caacaggcct gtctgggtnt tatcaggtca gcatggaang cccancccaa ggaggaaata 300
ngaacttggc taagacantc tctgncttng aggganatcc tatgccattt gctcatttta 360
tttttgcatt aattgagtgc ctncncgtgt gtcantgtgc taanctgggc gttccancat 420
tnnacaaagt gggatggctc cnattcattc tcatngangt ancaacnnca catggcnaca 480
atgggaggtg tccnntcggt gaattccctn tcntnaatng aaanccnang acannnttac 540
anaccaagtg gccatctgaa ncccttnncc tcccnttaca nnagaggccc gttggccctn 600
cntgtntntg cnnaaangan gatncnccan ttacngnccc ctgacnttnt aacntttcnt 660
gggctaaccc naggntgnac tgcgcccnat canagctaaa tntcgcgcca aaantcnaaa 720
acttngnggg tttgcanggg gcnnttctaa ngtcatgntg nggccnttcc 770

<210> 2183
<211> 711
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(711)
<223> n = A,T,C or G

<400> 2183
cctcctntcc attcggcacg aggaattttt ttttttttt tttttaaana aaataaaact 60
ttnttttaa taanaaaatt aangttttta gtanggaaaa nccngtttgt ctttcnttta 120
ccantncaan cantnttttt tccaaaanaa tncntngggt tttatngggc cnttngtcng 180
aanccanccc cnggggaatn tntaaangat cccctgctnt gancnccaag tngaangtaa 240
gtttttnttn tncttggggg aancaanggg ttcanntgtt tnttgcangg nncanttgcc 300
angggganagt taancncant tccngnaccc ntcctgaana aaaaatnctg ccaaaaacaa 360
aaatnccccn gggtaaanac nnccccntgaa taaaaaaaaa tcgncntaan gngtntcaaa 420
tttttatttn ttngggcanc aanggacttt gatcctttgn cnggcttgga aactnctgcc 480
agcccaactc antacanngc anctanaant gnttccaatn tggccnggga aaatcaaant 540
acccgggggc ccaaatgttt gaagtttttt gaccacaann ananaggaaa nacaaaaana 600
ggaaaatncc ctnccccttgn tttaaaaaca tntnctttt tgccaaagng ctttaagggn 660
ggaccgggaa naaaaacctt ttttnncncc anacnaaagg gttcaacccn n 711

<210> 2184
<211> 749
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (1)...(749)
<223> n = A,T,C or G

<400> 2184
gcccntngnc ccngncccac agaataccnc tggttggagc ctgcacatcc tccagcctga 60
tcaaaaatta ttctgcatag ttcccantgt gctttctggg agctatgtac ttcttcaatt 120
tggaaacttt tctctctcat ttatagngaa aatacttgga agttacttta agaaaaccag 180
tgtggccttt ttccctctag ctttaaaagg gccgcttttg ctggaatgct ctaggttata 240
gataaacaat taggtataat agcaaaaatg aaaattggaa gaatgcaaaa tggatcagaa 300
tcatgccttc caataaaggc ctttacacat gttttatcaa tatgattatc aaatcacagc 360
atatacagaa aagacttgga cttattgtat gtttttattt tatggctctc ggcctaagca 420
cttctttcta aatgtatcgg agaaaaaatc aaatggacta caancacntg tttgctgtgc 480
ttgcacccca ngtaaacctg cattgtagca atttgtaagg atattcagat ggagcactgc 540
ccttanacat tctcttgggg ggattctctg cttggctttc ttggaacttt ntggnaagga 600
taaattctgg ataanggcac ttcaagaaan cgtaacaacc cccagtgctt ttcttccaaa 660
tcattatgga naaatactat tgccnntnnc aaggnagaat gccaaacccc cccacggnaa 720
aaatttttnga agnttccngc ccaaatttn 749

<210> 2185
<211> 741
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(741)
<223> n = A,T,C or G

<400> 2185
cnnccncgct gacttggcnt tttcttctat ttgctgggta gaaaagtcct taaagtggat 60
gctcatgttc agtggcctgg gcatatattg tttcactggt atcaataata ttntaggata 120
taatttttcta gcagctaggt tttacatgta tatacactat ggttcagata taaattaccc 180
atctctctat attagcccag ttagctagta catggataag tcattagata atttgctacc 240
catgtatttg tcctattaag atgtagttat aataaaatta ccaagttatc tgtagtttgc 300
tattatgggt aatatttcct catgtaaact gtataaactc acttatatac atatatacac 360
atgtacacat atgcatacat aancacacac aaaggtaata aaagtgattc tatatgtagc 420
tagtaacaag ntaatttcag aatatttatt ttgtttttct ctantggaca ggngggaaaa 480
tatgggaaag gangtcttca gggctgcttc tgacctgact angacatgat taaaacactt 540
nggggagcct ttagaaataa angggctgtg atggtcagaa nnttatatac ntttttttnac 600
cctatgatga attttttttt ttttttttnan nanaaanttc cccctnttat tnntttnngc 660
tgnannnnncg aaangncccc ttnttggntt nattnganac ctgngccttt ntggntcnaa 720
cnaattctnc nnnctnancc a 741

<210> 2186
<211> 795
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(795)
<223> n = A,T,C or G

<400> 2186
ccnnnatcna atcggccgac caacaaaagt cgtgagtgat cactgaaagc tctgctgtga 60
aggtgacatt tgataactgg ggaagactgt tcaggtaatg ggggcacatg tgtgtgcana 120
ggcctgaaga aggtgctggn gtggcaagaa tagccaagag actcatcact ggacccgatg 180

gggagaggag taaaagaaaa ngnccaagaa ttggaagaga tggcgggcan gtcatgtagg 240
gccttacaaa gaatttgact ttggctgana ggggganccgt tagaaggttg tgaacagagg 300
agcaatgtga tctgacttct cttttagctt ttagtnccct gtacctgcct tgtggagaac 360
agccagagac aaggctanaa gcagggactc cagntagatg gtggcatggc cttagggcag 420
ngaggtttgg tngnagttgt aatgtcttca atgtcaagaa acttgaattt gacntgntcc 480
aanagcattg aganntcatg gaannatgag ggttggggtt gcgnaaattt acntaatcag 540
caancacccc gnctcttgtt cccctgttgg cnataccnac tcgttgtntc cnattgtgtt 600
naaattnttn cnctaatgct ctnccaanaa nttangcccc ttanagaata attnatttnt 660
taaggaataa tttngccttg aaaagggccc cattanaaac ccccatcttt ttccccaacc 720
ccttttnaag ttttnattna aaaaaaacnc natanccttc gccccaantg gacttnnngg 780
gccttatant ccccc 795

<210> 2187
<211> 750
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(750)
<223> n = A,T,C or G

<400> 2187
ngcncattnn ttctgnacgn aggcccgttc tccctttctn ggtaaacgga tgaagaaata 60
aaaatgccat tttcatttgt aaacttgtat ttttgtattt atatttagga gtataaaatg 120
tacttatatt taggactaca aaaatgtacn tgggaaggtg acgggacctc tatactcagg 180
ttaagtctcg actgcacact gacaggagta tgtagaccat tccatttccc tgaagactca 240
gccttgttag tatcaggact ggtcggcaga tgtgcaggaa aaggtggcna gaaagtgcaa 300
gtnctanaag cagatgatat ttccagatcc acagcanccc gaaatactac aaaangaaaa 360
tatatnacnt agcctcttca gatcatcggg cagggccttt aatcctctgt ccattacaaa 420
taaaaaaact ttattactga ttcatcataa tgaacantat taaatttta aaatcacata 480
aagctgtgtc aattttaaaa cccaactggc cgtctttcca aggacataan cnagcnnctt 540
aaaaaanaac cacattgatg accacccaac cttctttgnt gctccncttc ggggggattc 600
ctacctttct gaactttgga nnacntcccg acangantct gacccccttt ngnaaggngn 660
nttnacntga ncttgatngg gccnacnngg gaaattgtng gaagggtncn cantaagtng 720
gaacccnnnt ggtttcnccg ganaattccn 750

<210> 2188
<211> 930
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(930)
<223> n = A,T,C or G

<400> 2188
ttgaataccc cgatggtaat ttncaaccgn ccccgtgntt ntcgtnttcn ncntggatcc 60
cctggtgccc anattannng ntncttcann ngtanagaan gtaaaattca caatctcctt 120
ttttnatggg nggngacttn tttctaattt gccacttatt aatcntggnc aaaatgatnt 180
gnccnagntt catcnctatc tgaatttgnn cattacnccn gcnatttcta atngcnggga 240
atantcttac tgctnaactn anccnttnnc atttggaaat ntttnggccn natcaattan 300
gnnngncnnc tttaanggcg ggttnttnga nnctgntttt cgccntncnt gctggtcctg 360
nnctcccctt nnnntcgnaa natngngctn gtgnncnttn gtttaaatan tgnnnatcgc 420
ccntggnaan tngtcctntt gnggnannnc tccantggta ngtcctgttt taantnnaat 480
ggcgcaaaca ntcgattngc tnnctcattt cacgntncct cnnttttgt ncttannncc 540
naatttanac ncaaccnnna tttaacttag caattcncgn accnntttnn ggtaaannтn 600

ttcnggntct cntcnaacan angganaant ntttttacnc ncaatnnncc ncggggcctn 660
acanncacat aaaattgnnt tttcccnncc tntaaanttn cccctaatta atannggnat 720
tntcangngn nnttnctcct tncaactcan atnccttggt cacctcctan tataaaagnc 780
ncntttcagt nnnntntatt ntccaaacna nntttnaaac nnaaaaatnn tgggaccagg 840
nanttctcac cntaannagc ctaccccccc ntattnnnaa angaaantgn ctcntttaag 900
nntanccaaa cnntaatccn cccncgncan 930

<210> 2189
<211> 745
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(745)
<223> n = A,T,C or G

<400> 2189
ncccntcnaa ncgncganac tgattcnttc ctttntttac aactgttaaa aaacctcaaa 60
atagttctct tcaaaagaag agagattcca agcaacccat ctttcttcag tatgtatgtt 120
ctgtacatac ttatcggagc gcgccagtaa gtatcaggca tatatatctg tctgttagca 180
atgattatta catcatcaga tcagcatgtg ctatactccc tgcaagaaat atactgacat 240
gaacaggcag ntcttggaga agaaagagca tttctttaan tacctgggga atacagctct 300
cagtgatcag cagggagttt atttgaggac atcagtcacc tttggggttg ccatgtacaa 360
tgagatttat aatcatgata ctcttcggtg gtagtttcaa aagacactac taatacncat 420
gaagccgttc cagctattta atgctggcaa ctactgntta atggtcagnt aaatctgtga 480
taatggttgg aaagtgggng ggggtatgaa attgnagatg tttttagaaa aacttggnga 540
atgaaaaatg aattcnaatg nttcnatggn aagaatggtg aacccattgc tatcattcca 600
ttcctggtct catggcaaaa aaantttttgg aacattaaaa aatcanaatt aancccaaat 660
ggtttccttt tttttaaaaa aaanaaaaaa aaaaanccnc ccccnttta naacntttng 720
ggnngcntnn ttcccacnan cccca 745

<210> 2190
<211> 765
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(765)
<223> n = A,T,C or G

<400> 2190
actccnnnnn annnnccgag gtttggggag agtgatggta gaaggactcc caggagggcc 60
ctggagacag tgtgaaatnc gagggaggtg aagatgcttc tgtggctgcg gagtggtccg 120
gggganggcag tgggaccctg cagaggagtg gctctcttgg caagatccgg gatgtgctcc 180
gcagaagcag tgaactcttg gtgaggaagc tccaggggac tgagcctcgg ccctccagca 240
gcaacatgaa gcgagcagcc ttcttgaact atctgaacca acctagtgca gcacccctcc 300
aggtctcccg gggcctcagt gccagcacca tggacctctc ttcaaagcan ctgacatttc 360
aacccggccc ccangtctgc tgggtccccc caccccccac agtccctcac aagcattccc 420
cattgctctc tggctcttcc ccacccctag gtgggacant gaaggggagc agtttaacca 480
gaagattgct gtgcccttan ggtcttaanc tcccntcctc caggaatccc tctttaagaa 540
gggacccttn agganacctt ctctgcnacc ttgtggtact tttnagagta nnctngcctc 600
tgaggcccca acggtggggt ncaaaagcca nngtantngc cccntaanan aatccancct 660
gctggccggc ttttcaagcc aaaaangttt tgggggggnnt tgncaaaaca anntngcctt 720
tgnccttggn cggntnttna ctcccttcct tttggtgntt naann 765

<210> 2191

<211> 754
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(754)
<223> n = A,T,C or G

<400> 2191
ccccgnttca atccgcncga ggggntccca acttgccttg cagntgtncc ctgagacctc 60
aaaccagttg gagctgatca caacccaggc cacaaaggca ggcttctccg gtggcatggt 120
ggtagactac cctaacagtg ccaaagcaaa gaaattctac ctctgcttgt tttctgggcc 180
ttcgaccttt ataccagagg ggctgagtga aaatcaggat gaagttgaac ccagggagtc 240
tgtgttcacc aatgagaggt tcccattaag gatgtcgagg cggggaatgg tgaggaagag 300
tcgggcatgg gtgctggaga agaaggagcg gcacaggcgc cagggcaggg aagtcagacc 360
tgacacccag tacaccggcc gcaagcgcaa gccccgcttc taagtcacca cgcggttctg 420
gaaaggcact tgcctctgca cttttctata ttgttcagct gacaaagtag tattttagaa 480
aagttctaaa gttataaaaa tgttttctgc ngtaaaaaaa aaagttcttc tgggcccggg 540
cgtggtggct cacaccctgt tatcccangc accttgggag gctgangtgg gaagatcatt 600
tgagggcngg aagtttgana cccttgnctt gggcnacatt aaatgnaact ttcttttnca 660
ngggagaaaa aaaaaaaaaa aagccttttg aaanccattt ttttttttnt taaaangnca 720
aaaaaanaaa attnccnttt tngggnaaaa aaan 754

<210> 2192
<211> 782
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(782)
<223> n = A,T,C or G

<400> 2192
cccntttnat tcgcccgagg angcaanagn aacctcttcc agcccnctgt tcctnagaag 60
gtgccaggtt tccnncatca cacacntacg cagcgcctcc ntccactcgg aaggactatc 120
ctgctgccaa gagggtcaag ttggacagtg tcagagtcct gagacagatc ancaacaacc 180
gaaaatgcac cagccccagg tcctcggaca ccgaggagaa tgtcaagagg cgaacacaca 240
acgtcttgga gcgccagagg aggaacgagc taaaacggag ctttttgcc ctgcgtgacc 300
agatcccgga gttggaaaac aatgaaaagg cccccaaggt agttatcctt aaaaaagcca 360
cagcatacat cctgtccgtt caagcagagg agcaaaagct cattttctga agaggacttg 420
tttgcggaaa cgacgagaac agttgaaaca caaacttgaa cagctncgga actcttgtgc 480
gtaaggaaaa gttaggaaaa cnattccttc ttaacanaaa tgttccttga gccantcacc 540
ttatgaacnt tgttttcaaa atgccttgat tcaaaatgca accctnacaa ccctttgggt 600
ggagttcttg aagaantgga aagaatttaa cccctcaatn gtaaaactnn ccttnaaaat 660
tnggaccttt tgggccataa anangaacnt tttttattgg ccttacccat cnttttttt 720
ttttttttta ancanatttt ggcnntttna anaaanttgg gtttttaaaa aaatttttan 780
an 782

<210> 2193
<211> 1413
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1413)

<223> n = A,T,C or G

<400> 2193

aanggagggg naaaggnnnn ncggggggnc nnnnanaaaa aaaaaggggg aagaaaaaaa 60
aaaaaaaaag cccngaaana gttnnnncaa aaaaccccaa gggnaaaaaa anatngttta 120
aatcgagggg ggnccngnnc anccgggcnc cactnnncaa angngganan aaaccccccng 180
ggnggnaann ngggggggggg ggnntntttt aaaaagnaaa aaagnnggan aacacncaca 240
cggntncacg ggtnngngcg agggcngnca cggngnggnn aanacngaag agaannaanc 300
cccngagngc nnnngngncg ccncagacnn cgncnacaca ttancgaaaa ggncggnaac 360
aanntccagg gcanaangnc cggangcgac tanannacng naagggnggt cntcaanngg 420
ggnaggccnn cnaagnngac ntcgcaacca cangantcca acggaanaac ncgntnnggg 480
ganggcnnaa angnnncccg gannnnnggc cccncggggn ggaangancg accccnnnca 540
naggnggnna cnaacgacng ntnaacnagg gnncgntaga nacannncgn caannggngn 600
cncncngann cgggncagna atannccncn gggacncgng gnacannnnt nnnncnangg 660
ngncancgcc aacaanaacc cgnaatcgcc aagccncnan gnangnagga aggtcnncan 720
ncgancagna aaangcnnga agtacgancc cgccgnccnn gaaanacggn ncagaantnc 780
ggnccagncc cagggnnatn ggcaacanag cnnnnacact cgtnccnnna ccaggggaca 840
natagnnnca gatanacnnc accggagagn nacnncgcgg cangccggan nnacnnacgt 900
gagaannacg ccacatcaac gagngacgac gngncnacga nagtcgacac gncacnngga 960
agcatccgnn nggcngcgcg aaananaccg tcagagannt gcnagagccg atatacnngn 1020
cgaacgacna tacnncngng nagacatcgc gnaagncncg anacgnnagg gaagaaaaan 1080
anagnccnnc nannccnng ncaccacgnc cccnaacacn ncacgngatg ggganananaa 1140
agangnntan ncgnacaagg tnagggatgt gatgacnacg ngcgccgnnc caancancan 1200
nggagncgaa atacgacang gagccagacg ngagccaccc ancgcacgna aangcacggn 1260
gccccgngcc atnccagcga gnanagnnan ctcgnncggt anacgggcgg ccnnagaggc 1320
ggccanacca nnacnnnnac ncaccgagng acgaganana ncaaaatcca cgnacgcgng 1380
cnntcanaag angacnncnn ccnngnnaaa ngn 1413

<210> 2194
<211> 745
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(745)
<223> n = A,T,C or G

<400> 2194

atnnnnnaaa ccaggggctc atgtaactgt gattaagctg tttgttggcg gaattaaaga 60
agattntgag gaacatcacc ttagagatta ctttgaggaa tatggaaaaa ttgataccat 120
tgagataatt actgataggc agcccggcta tcagcccgga tgacagtgac gaggagaact 180
gagggcacgt ggggtgcggc agcgggctag ggcccagggc agcttgcccg tgctgccgtg 240
cagttcttgc tcctcacggg gcgtcacccc cagcccagct ccgttgtaca taaatgcctt 300
gtggcagagc tcccggtgaa cttctggatc ccgtttctga tgcaaattct tgtcttgtct 360
cacttgtgct gttagaactc actggccant ggtgttctac tcctacccca cccacccct 420
gcctgtccca aattgaaaga tccttccttg cctgtggctt tgatgccggg cgggtaaang 480
gtatttttaa ctttaagggt aagtcctgct gtgagtggtt acagctgatc ctcgggnaag 540
aacaaancta aagcnggctt ttgnctggta ttttaatttt ttgaagttaa ataaaagtta 600
ctaattttgn aaaaaaaaaa aaaaaaaaac ctcgagccct ttaaaactat agtgagtcnn 660
attaccgtan ncccagacat gaaaaaanac attgatgaat ttggacaaac cccactngaa 720
tgcnntgaaa aaaatgcctt ttttn 745

<210> 2195
<211> 766
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(766)
<223> n = A,T,C or G

<400> 2195
agnnnnnncg aggaaggatc tccttggtta ccaaanggcc tctccctttt ccccccttct 60
ggttggagga gggagaagtg ggaagtagct tgggaactgg tttgtccaca taaacttccc 120
cattgttcct tggcccgccc tcagggcaga gccccctgcc caggctgggt aagagatggg 180
cttggtccag cagggaccct gagggaacaa acccttttcc ttctggggag agagtgcccc 240
cccctaccat gtagttgaac aggggctagg agctccccac tcccctccct ctaacagcag 300
gctgtgtggg tttcaattcc catccttccc accccggcta ggtgtcgtcc accctgtatc 360
ctgtgtctga gtgtgtgtgg gggggttctg tactaatttc catggccggt ggcttttcct 420
tccatgcatc actccccccc gcatgcccag gggccacccg cctggcatta ccgcatgctg 480
gggtcattgg gggaggggggg tggggctcac gctgcctgtg gtcttganat ttttattttt 540
tgcatatgta atccattctg tacangtaac taactttgta aacgcttgtg tattccctnt 600
tgcccccatg gcttgctggt gtaaaanaaa ctggcatctn cccgtttggt aaaaaaaaan 660
nnnnnnnncn nnnncnnnnc nnnnnnnnnn ncnnnnncnn cncccncnnn ntnnnncnnn 720
nnccctccnn ccctttaaaa caatnnggggg gccttttaac ccaaan 766

<210> 2196
<211> 918
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(918)
<223> n = A,T,C or G

<400> 2196
atnnnnntnc aaanncnntn nannnnnann nnnnnntnca nannnnnnna nnannnnnnn 60
tnnnnnnnnn nntnnntttnn nnnancnana nngnatcnnn nanannnnnn nntncnnnnn 120
nccancncng gngcngccgt tttgaaatcc ntatnccanc tacttgggtt ctttttgcag 180
gaacccatcc gaatccgcct nanataaaca gtactctctc tcaggattct cttggaacat 240
tcaactcatt agtgagtggt cntccccagt catttccatt tttctttatt tnggctctga 300
tagttnactg tttttgtntn tcagagataa tcctttacta tactaaattc tacgtgatta 360
tattttccac ctctatttgc ctatatttaa tctgctgact tttccttttc catatatggg 420
cttannnnan tgnttccctc ttcttccttt tctacctttg gtatnnaaaa agtnacttag 480
ggactnnnnc cactggctta cgtgtgtaat cccacnactt tggcaggctg aggcgggagg 540
atgcntganc cccggngttc aaggctgcan ngagctaccg antggagccc ctgccactcc 600
agcctgggca acaagaatga gaccctggct ggntttnggg gggaanaagt tnatttcaca 660
acgtttttga aaaanattct ttngcccaan ncatggntgg cncacacctg ttaatcccag 720
ccacttttgg ggaggcccga aggccgnatg gntcancttn gaggccanaa gnttnnnacc 780
anncntgggc caaanaatgg ngaaaaaccc ccttntnttn cttaaaaaaa acaaaaaatt 840
agcccnggcn tagtgnannc caanccctgn aaaacccaaa atanctgggg gaaacctcca 900
ncctnggggg ncaaaann 918

<210> 2197
<211> 855
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(855)
<223> n = A,T,C or G

<400> 2197
ctatcctttc anctcttgtt ctttttgcag gatnnnatnn nagcncagan nnaaaagctg 60
tgtccttaat gacagcaaag ttaagcactt cctttgtcct agagacattt attcattcta 120
aagaaaagcc cacgatgctt cagtggattg aactgttgac gaaacagttt aataatagtc 180
aggcagcttg tgagtggttt ttagatcgta tggctgatga cgactggtgg ccaatgcana 240
tactaattaa gtgccctaat caaattgtga gacagatgtt tcagcgtttg tgtatccatg 300
tgattcagag gctgagacct gtgcatgctc atctctattt gcagccagga atggaaagat 360
gggtcagatg atatggatac ctcagtagaa gatattggtg gtcgtcatgt gtcactcgct 420
ttgtgagaac cctgttatta attatggaca tggtgtaaaa cctcacagta aacatcttac 480
agagtatttt gccttccttt acgaatttgc aaaaaatggg tgaagaaaga gagccaattt 540
ttnctttcat tgcnngctat atctacnatg gtancatttt tacattgggg aaccaaaagg 600
gaccctgaaa atccttcaag tttggaagtg gttatcnnga aggaagaang ggggaaagaa 660
agaaagaagg gnggggaagga aagattatcc ttcttntctg ggcaggaaag naaaanaatt 720
ncagggccca ccctgcccct ttgaaaaagg aatggaatag cctntaagtt ngctcctttt 780
tnggggtngn aacaagtnct tcggaatcaa gaaaangggn ggaaatngtt tcccgaaatt 840
ttnaaaaatg tcttt 855

<210> 2198
<211> 787
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(787)
<223> n = A,T,C or G

<400> 2198
tatcctttga actcttgtct ttttgcanga nnnnnnnnan cgtnttcngn ccgaggcttt 60
agctgttaga aaggannttt cgtgacatga cacagacaca cgtgaacncn cagcccgccg 120
gtcctagcag ccagctgtga aagctgtgtc aagtcacggg ggttcccgtg tgtctgtgtc 180
atggatgcaa tgcgggccct ggaggactgt gcgtcacccg tcaaccagag cgtgcctccg 240
ggccagcttc cctccaagga atgagtggat ttcatacagg atctctttat tgcacagact 300
gaatggcttt acatgtttct aatgtgaatt aggcatgtga agcagtgggt gtccacccgt 360
gtccctcatg ggtgagccct ccagctgtga gcccaggcag tgtggtcacc gagtgaggac 420
cctcctcacc aggaaccgna ttcctgtgct gcctccacct gagagttgct agggggttct 480
tgtcgagatc atgtcatcag caccctaag tcaagtcacg ggtttccata gccaggcaag 540
ttggtatgta caattcagtt caancgtatg aacttgtatc tctaatctga tgtccatttn 600
tatatttttt gaaactgagc ccaatgaaat cctttcttga atcatttcc tttnggataa 660
taaaaatatg ggggaaaatg ctatgatgaa atttatgcaa taaatgtata cntgtgtgca 720
ccttnccccc atcctgggga aaaaaaaaaa aaaaaaaact tgngccttta aaacttttan 780
tgagncn 787

<210> 2199
<211> 1305
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1305)
<223> n = A,T,C or G

<400> 2199
nnnnnnnnnn nnnagnnncn gnnannannc ngcgnngana ncannaacnn gaaaacgnnn 60
nnnnnangan nnnananngn cnnccganng nnnnaaangn nnngngnnng ngnannggng 120
acnnancann cggcgaanga cnnacgnnnn annagagngg gggagnggga ggngngngnn 180
ncannncgng anacnnngca nangnacgng anannannaa nncccannnn cncagcngcg 240

ccccttntng ggnaaaaaac ccccncccnt tnagggcnaa acccnggccc cnccnanttn 300
anggacnngg ganaaccccc caaaccgggn angcncccgn gnccccgggg gnggccggga 360
ganaaaanac caccngnggg nnnnngntcn aagnncaaac cantcaanct ntnggcaagn 420
accccnccca ntaggggnan nanggaggnn gtnagngnan accaataaca naaggggccn 480
tcnacccnac cntaagcccn ggaanatant gccaatgcng tancannang ggaatnncaa 540
ncgaggggaa canaggagcc gtggcnagan ggnagggngt gccncgcagc cgcnnnacct 600
acggaangga ngtnagcacn gaaacncaaa aaaaancaac gggggctnaa angncanagg 660
cncnaatngc nannnncccn ccaancaacc tcntganaat gannccggnac canntccant 720
gnnagaggaa aagaggngac acataaagcc cngcangaga atgaagagnn gctcagggac 780
agntggnggn cgaaaanana gggcggntag tctacagnag ggntcanggg aaaaggncac 840
acnnaaaccn atgggnaaaa aaacngangc ccgnaagggn ggcccancan cttaaacggg 900
gnacnnntgn nacacgggaa ccggantgna accaacctac tcannaaacn ancgcaangc 960
cngngggngg ggnggtnaaa caaannganc tacgnntgan angggcccca gnggggccan 1020
naaanannga naggggggcat cgatcagana taaaacgncc nggggggggn tcnngncaga 1080
cnaaaanggg ggaaaaaagt aacaacancc cccanatata ccctcatcaa aaanaaaaaa 1140
nnggnggcca caggaanacn cccnccgcca naanaaaagg acnacanagt nntngcaaac 1200
acnaggggcc ncacnncggn ggcncaaanc ggagccatgg ggngattatn aaaaaanagg 1260
ggggnanaca nnacacaaaa naancccccn ngggggggacc ngcgg 1305

<210> 2200
<211> 856
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(856)
<223> n = A,T,C or G

<400> 2200
ttatcctttc aactctngnc tttttgcang atcnnnnnnn nncnggctgn ncntgttaac 60
aacatgttgc atctgtacgc cagtatgctg tacgaacgcc ggatactcnt tntttgcagc 120
aaactcagca ctctgactgc ctgcatccac gggtctgcgg cgatgctcta ccccatgtac 180
tggcagcacg tgtacatccc cgtgctgccg ccgcatctgc tggactactg ctgtgctccc 240
atgccctacc tcataggaat ccatttaagt ttaatggaga aagtcagaaa catggccctg 300
gatgatgtcg tgatcctgaa tgtggacacc aacaccctgg aaacccccct cgatgacctc 360
cagagcctcc caaacgacgt gatctcttcc ctgaagaaca ggctgaaaaa ggtctccaca 420
accactgggg atggtgtggc cagagcgttc ctcaaggccc aggctgcttt cttcggtagc 480
taccgaaacg cttctgaaaa tcgagccgga aggagccgat cactttctgt gaggaagcct 540
ttcgtgtccc cactaccgct cccggaacca ttgaagcang tttcntgnca gaaacgcccn 600
cacaagnttg caagnttntt cnaagccagn ttaattggat nggtccgaat tcagaatcct 660
tctcaaattt tccgggcgga aanggttttc aanntngatn gtttttgga aagaaaggga 720
aaatctaacc attgggnccg aaatancccc ntggcaagnn gaccaaaact ggtaccatcc 780
agtgggcttt ttcaactgtc ccggaaaang gaaatcggga accaattttg gaatactggt 840
aaaanancca aaaccc 856

<210> 2201
<211> 781
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(781)
<223> n = A,T,C or G

<400> 2201
ngagttnnnn ncgaggagcc atgcgagcag ctngttcttt tggagaaaga actgtaacag 60

aactgatntt ncattaccag aaccctcagc agttgtntgc caatctatgg gccgctgtca 120
gggctcgagg atgccagttt ttagggccag ctatgcaaga agaggccttg aagctggtgt 180
tactggcatt agaagatggt tctgccctct caaggaaagn nctggtactt tttgttgtgc 240
ananactaga accaagattt cctcaggcat caaaaacaag tattggncat gttgtgcaac 300
tactgtatcn agcttcttgt tttaangnta ccanaagana tgaagactct tccctaatgc 360
agctgaagga ggaatttcgg agttatgaag cattacncan anaacatnat gcccaaantt 420
gttcatattg catggaagca ggactccngt attttnnnct tgaacagagg tccctttctt 480
ttggntggtg atntggctcc ataaattaca acatgcngtc tatcaatnga ttanggtttg 540
tgnacattna gagatgcctg atgttctatc attgctgtnc ctttggaata tntttncaat 600
tttttnaaag agtttntacn ccaaaccagg tgggagannn cctattnttt ttaaatgcca 660
gnctnttata naattnaccc ctnatttccc tctttaattn nccncctgca aaaannanna 720
nggatgccac ctcggggtnn cctaatttan natcananan aaaannntanc tctnttccnn 780
n 781

<210> 2202
<211> 850
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(850)
<223> n = A,T,C or G

<400> 2202
nnagnnnnnn ggtgcctccc aatncccagc atgtttttтn aacnngnttc cactanaana 60
aagacggttt anttangcct tttcaagtaa nangtgctng gaatggttct atgaatatgc 120
aggnnggtat tcatttgtat catctnnnan tgatccttan nacaatnnng agttccttan 180
anangattaa agannntana aatgngtaca tttcaccntt gggtgtgngt gcgtgtgtgt 240
tcntgtnaga gggagagagg gacatngctg taaccaatcn ncagatagcc tattttatag 300
ccagcanctt aagccaaata atttcaganc actananggg aacttgaana natgaaatga 360
ctttgggaga aatacttttg gattgcttgg nnnaacctnt ttggaatgcc tgantaatgg 420
gtgatcatnn nggtcaaagc acctgtgnta nnaatnngct nttgttgcnn ttgaancccn 480
tnctcantgc agntgcaata ttcttnnata tntcannncc ttttatttng gcaaanacca 540
cncngggaaa caaaantgtt tgtttttncn cactttaaac aactggtctn ttnaaactna 600
cnttctnttc tctttttgcn nantttacnt ancaactggg ntttnggnnt taanaatant 660
cgncgccgcc cctgngggcc nnaactccgg tncntcggtg gggctntccg gccnnggtag 720
taanaaaaaa aaanccntct ttcgcnnccc cttcggttga ngncgctntt ctcncgncca 780
ctcccctatt atcncatcnc cnctcccttc tnntctgncc tctngcgaac atnacccccc 840
ccccttngnn 850

<210> 2203
<211> 754
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(754)
<223> n = A,T,C or G

<400> 2203
atcccatnnn attcgaatnn nnnacgagga gctctctctg gaaagctcgc actggaatgg 60
agaacacaag caggaaatgt gaaaagtaac ggttgaaagc cttacttatg atgacacata 120
gggaggcagg tgcatatctt acaattctag acacttggat accttgggaa accatattga 180
aagttacctt gatttcnttt ctttcttttt ttttttgag atggagtctc gctctgtcac 240
ccaggctgga gtgcagcagt gcgatctcgg ctcactgcaa gctccgcctc ccagcttcac 300
gccattctcc tgcctcacct cccgaagtag ctgggactac aggcgcctgc caccatgcct 360

ggctaattgg tttgtatttt ttttaataga nacagggttt tcaccgtgtt ggcccngatt 420
tggtctcgat ctcctgacct tgtgatcagc tacttgggac ctgagacang agaaatnctt 480
tgaacccaag angcggaaag ttcanggagc caagatcgcn ccnctggact ttancctggg 540
caacgagang aaaactcttc ttgaaaaaan anaaatncna cnaaaaancc ctcgngcctn 600
tanaanttan tgagttntat tacctaaacc aaacntgnta aanaaacatt ggtnnngttt 660
ggnccaaccc caactttaat gccnggaaaa aatgcnttnt ttggaaaatt nngatgcttt 720
tgctttttn naacccttt taacnncaat aaan 754

<210> 2204
<211> 1412
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1412)
<223> n = A,T,C or G

<400> 2204
ggaggacnna nggngcnnan nnacacacgg gnnnnannan gnaggcggng aanggacnng 60
nnnggaggcg cagnncaagc gcangcgncn nanagaangn gnnggnacga gcnnancaga 120
gngagagggg ncgagggaan nngnagagcc gcngcanagn agaaaancnn nnngnngggc 180
cgtnngggaa aacccccccn caaannaccg cgggnanang aaaggaagcc aaagagaanc 240
ccaaatcgan gagaggagga aaangcnggg gngngnaggg gcgagcccct gtgaaggcaa 300
gcaacgggca annnacaaca nanccanggc agacncntca ngnggggggag gacacngaag 360
gngnngagng anccannaaa gnngnaaggn gaggtgacag anggaanggg cnccnngnan 420
ngnacaaana ggnagnangc anangnanag gcccnngngg gaacaanggn naaangaggg 480
gagcganaaa agggggggna annggngaac aaangangan cngggangaa ccggangggc 540
gnaaggnggc ggcaacggnc gcgnnnnanc gnggaggcga ncacgagaag gggaaagcnn 600
agngggcgta tggnagacgn ccgangnnag ggcgaagccg ncaccangng cgaanacgnn 660
nnnnnnnnag cggcagnngg acaagaaaac tancncgagn ggggggggcnc tcctagaatc 720
gaaanannna nnagcgnana aagacgagag gggggggggn accgnaaana ggggacgaag 780
anccacgatn tnggggggggg ncagaatanc cgngcggcgt annncgcgaa gagnaaaang 840
agnggggngt cacagatggg gngctgcnng gganaaaaag ngaananaga gggggancac 900
aaggnggggan angacacagc nggngnagag gagnnggggg agnaaaaaaa angcgggacg 960
gannanangg gggncnagag cccgccntgg ccacaaaann acncgtagct ctccgccccc 1020
ggggggcncc gcatgtcann acnntgggng gggggacncc cnngngatgg ggggcgacat 1080
ctgggaaaaa aaganggggnc anacntnccc ncagaaaagc accancnctg ngggancaga 1140
ngganantgg gggaggggggg cgcangaana nanggnaaan cccnttcgga ancggngana 1200
cananaanaa anantnggcc ncnnggccna gggaaanggg nccnaaaatc cgaaaaaccg 1260
acaggaanga cgatnngcaa aagaccganc ncaannctga ngtgggggggg aaaaaagcgg 1320
gannncacca accaagnnaa naaangcttn nnnaggggnt ngganggacn anncangtgg 1380
nangancccg gtcagacggg gnaaananan nn 1412

<210> 2205
<211> 784
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(784)
<223> n = A,T,C or G

<400> 2205
ttatcctttn aagctcttgt tctttttgca ggatnnnnnn nnaggggtaa nnncntcagg 60
ctccaccata cccaggctct taccttagca gaagcctgtg aagctggtag cagaaacgag 120
aaggaacaaa attaactcca aggcagtaag ccatccacaa gaccactaca cgaagttaag 180

gctgtgtgaa agagggagcn tatttaattt tattgttaaa gaggcaataa aatatctaga 240
gaaacagcca ttaaaaaatt ggcaaatcca gcctggccaa catagtgaaa ccccatctct 300
acaacaatac aaaaattagc tgggtgtggt ggcgcatgcc tgtagtcccc agcttctcag 360
gggactgagg cgggggggatt gcttgagcct gggangtccg aggcttcagt gagccatgat 420
tgtgccactg tactccagcc tgagcaataa gagcgagacc cttgcctcta aaaatacatt 480
aattaattta aaaattangc naaagatgtg aacagatact ttttccaaag aaaggtatat 540
gggaccaggc acggtggctc atgcctgcat tctgggaggc ttgagatggc ggatacctga 600
gatcnggagt tgacaccccc tacccgacat ggtgaaaccc cattttactt aaaatacaca 660
cnccncccccc caaatttctg ggcatgtggc aagnccccctg tagccccact ncntnaggag 720
cttgangcnn ggnnaatntc tgnaaccnng gagncgcagg tgtnggnanc cnnaccnccn 780
cttn 784

<210> 2206
<211> 779
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(779)
<223> n = A,T,C or G

<400> 2206
aanaccttga accccgnnnt tnnnnannnn nnnnccnaan ncgtcaatga caagagcagg 60
aagagcgttt ttgtgaaggt gattgacgtg actgtgccct tgcagtgcct ggtgaaggac 120
tcgaagntca tcctcacgga ggcctccaag gctgggctgc ctggctttta tgacccgtgt 180
gtgggggaag agaagaacct gaaagtgctc tatcagttcc ggggcgtcct gcatcaggtg 240
atggtgctgg acagtgaggc cctccggata ccaaagcagt cccacaggat cgatacagat 300
ggataaactg ccaagaacca gatttttaaa aggcccgcaa aaaatctttt cctgggagtc 360
tacaaatttg gaaatgaaaa aacccagaca tcagatgttt ttatttttata ttattattat 420
agaaggtggt accattatca attatgtgaa gggacatgca gacaccccag cttttgaggg 480
tgctgggggt aggactgagg cagccccact gggaaccaga ctgcagcctg cccatggctg 540
ttttcccaag gatcaagttc ctgganggaa aggctcttgg ccctgacttc cgttgtgtcc 600
cgagcacacg tgcttgaccc gnancccgcc cgnnctgtaa ttcttggctg ggtctggaag 660
tgtctgtgga gcaccctgnc ctcaccacag ganccgtgaa ccncttnttn cagtcccgct 720
gaacatggga aacaacctga aaaagnagca gccctcccgt cagggaccct ttntttgcn 779

<210> 2207
<211> 817
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(817)
<223> n = A,T,C or G

<400> 2207
ctanccttna anncnnnnnn tttnnngacc nnnnnncgng gnnngcccaa catttcagat 60
tttccaaaat gtnngttagg aagtctccat tgtctctgca ttatnaaaat acactgttac 120
tatcttaatc tcaagagtgt cattacagtg agaatctcat ttaaaagcat accagtgaaa 180
ttaatagcag tgcttatcaa agaacactga aatctgtgag aatctttcta ggagcattct 240
tttcttcttt tagttccaag ttccagggta tttttcattc ctagtaggtt tatatgactc 300
acagaatgtg gacttttttc ctgtttggag tatttttgta atgtaagtat cggatagctg 360
caccacagca tgcataaatt gcacattttg ttttactttc tttatagaat atttaatttc 420
aaaaatataa tttatgccaa aaaaagcata cctttcaatt ttgctacttg gttgatttan 480
cacaaaatgc aaagtcttgg ggcagagagg gggagtgaaa aaaattttat aggtaattgt 540
tcaaaaatac cctgtcagaa accctaaagc tgcattgtna aacanatggt ngtnaactag 600

ttttgaaaa agtggtnang gaattngtga aaaaaatctt nagacttaat ggctctctaa 660
cccacatgan gtttccttct tttttaattt aagtaaatac cgcctgcttc cataatttgg 720
ganggttttt nggngttttg taaggtcact tggaacaana cattggaaaa cctggattta 780
taatttggga taaactggna nccataaaaa aagaaan 817

<210> 2208
<211> 991
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(991)
<223> n = A,T,C or G

<400> 2208
gcganagaga acntcttttg gcaaaactcc cctgggctct ttttttgggc aggggaatcc 60
ccaccccgaa ttccgnaaat ntccgggcca ccgnagcccc aaagaaccct nccancgggg 120
ccctnggngn tttttttaa aanccccccn cnaaaangtg ggancangng gaaaanggaa 180
ggggaaaggg ggggggacgt ttcctccaag agagtncact cnnccctnnt tgggggggang 240
gggggngcca attgggccct ccanggaaat ttcnttggga aaaggtggng ggaaggggaa 300
gnngccangg gggnnttant atnaatccct aatcccaggg naaggggggga ngcctcttct 360
tacaccaaac ctcattctcc ccctcaanga cctaattgga caatataang gaaaccncct 420
gaagggaaga agccnnactg aaaggaggga aaccagcnnn nnnncggggn nattggtttt 480
tgnnggggatg ntggccgaca cctaatcgga aanggnccct gccnaaaata nttggacctt 540
ctaattgaat nggactnggg gggaaaacca ccganccttc aaatttangt ccgcttgnaa 600
gnacagnatg gaatgaactg gntacaataa aaaccctcgn angcctngca ttttnaaata 660
agggaattng gncccaaaaa agaaaatctt gggaatnngg gcccnnaaat ttttcngggg 720
ggggggaaaa atttcaagaa cttggnaaat tgggggccaa gnttggancc gaaaccccgg 780
aaaaggnggg ccaanggaag tttggaagtt accccgaanc cccccgcttt acccctggcc 840
ctttgccatt gggggggtcc agggaatatt ggngaacctc ccaangggac catcgtcaaa 900
gtgggcttgg ccaannccna ccctccgggg gaagggtnaa agaaccctat caaggggngg 960
naanaanggt aaaacatggg gccatctggg n 991

<210> 2209
<211> 941
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(941)
<223> n = A,T,C or G

<400> 2209
nnngttnnna gangtatagt gtaagtatga agaacatnnt gcaactgtac aggtagtcac 60
cagttatngt gatatgataa ataatngggc tattttgatg aagaaaactt tgttcatttg 120
tttctacttt ctaagagaaa ttgccacgat tcctctgctt ttcaacattt cntatgactt 180
ttttttcggg tgggaataaa aagctgtgaa attgtcaacc tactttgtaa ccaaagaagc 240
aaagctgtgt aatggagttn ggtttttttt ngngttnttt tttttcgccn tttttnttt 300
tataatgcnc attcttnatg tattccntat ttangcgtnn tttcagcnnc aattttcttt 360
actgtctagc atgatctgca tnaccnatan cnttgaacca cttttgtnnc ctcatnttt 420
tattccaccc acccttttatc tgnaantaat ngtcctancn cttggggaac aacatgtncn 480
aattaaaaan gaagnaaccg aancaaggcc tgntntnggn gggganccnt gannentant 540
cggtncccan tnncaacnta nactctgnta taaaaaaaaa aaaaaaaaaa naaagcgnng 600
agcccnnnct ttntcgnngn tnccattttt aaaaaanang gggggttttt tctggaaatt 660
tatccntcnn ngccnacaaa aaaaaacgnt tnttngnttc natatttggg canaaaatcn 720
tttaaaatgg cgcnnttttn aaaaaaaaaa anggccaaac tattgccaan aaattaaaaa 780

gtccncccaa gtgggttntn accttgggag cttntttttt aaaaantttt naaaaaatgn 840
ggncacattt ttttataata naaaanccnc agctntttca aaaaaaaaaa aaaacgncnt 900
tctnattttt tnggggggcn ttaancttaa aaaaancatt t 941

<210> 2210
<211> 786
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(786)
<223> n = A,T,C or G

<400> 2210
cnattnnnna cgaggagcag ctggcccgca ctctgnttnc tgaagcccac ttccctggag 60
ctcttccgan ccaaggtgaa tgcgctcact tatggggagg tgctgcggct gcggcagact 120
gaacggctgc accaggaggg cacactggct ccccctatac tggagctgcg ggagaagctg 180
aagccagagc tcatgggcct gatccgcagc agcgcttgct ccgctctgtg aggggacgct 240
cttccgcaag atcagcagcc ggcggcgcca ggataagctg tggttctgct gcctgtcccc 300
caaccacaag ctgctgcagt acggagacat ggaggagggc gccagcccgc ctaccctgga 360
gagtctgccc gagcaactcc ctgtggccga catgagggca ctcctgacag gcaaggactg 420
ccccatgtcc gggagaaggg ctccgggaag cagaacaagg acctctatga atttggcctt 480
cttaatcact atnanccgtg gggaggaagg aagcgtacct tnaactttca tttgcccccc 540
tcaaagcggg aattcntacc ttgttngaca ngantgggct tcaatggcct ttgcttnggg 600
cagtccccat tggggcangc gaagcaaaac nccggcttgg accttggaag caaccttgct 660
tgancattgg aagaaccaag cttccttcnt gcttgganct tngaanaacc ttgcccattc 720
cccgaanngg gcacccccct tgtgcccccc acccccaac aaantttaan cttttgnttt 780
tgacnn 786

<210> 2211
<211> 766
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(766)
<223> n = A,T,C or G

<400> 2211
gcngnannnn caaacagacc ttctgtttca tgaacagntn ntgttatatc tgctaaccca 60
tatctaggnt tncctccaac ggctatgccc accccancgg gacggcactt cattatgacg 120
atgtcccgtg catcaacggc tcgtgggaac cggaagacgg ctttcctgct tcctgcagca 180
gaggcttggg agaagaggtg ctttatgata acgcaggcct gtacgataac ttgccgcctc 240
cgcacatctt tgcccgctac tctcctgctg acagaaaggc ctctaggctg tctgctgaca 300
agctgtcctc taaccattac aaataccctg cctccgctca gtctgtcact aatacctctt 360
ctgtggggag ggcgtctttc gggctcaact cgcaggtacg gcatcttctt ctgtaagatt 420
ctagaaccac cttcaagtca cattgctcca acagagtttt tgcaacttgt agtaaatggg 480
acncatcaaa ggcaaagcat aatgtgtttt ttttttctca actagaatat aatttgcngc 540
cttgactacc caanggaact ggntgaagat atttctaacc aagctcatgg gttaatctga 600
nccactgngg tttcctttgc ccaccatttg ggctctcttt cttggtcttg ggaaaattcc 660
cagtgnaaat tttgttgaat tattgtccaa cctaaaggca gaaaaagtta aaaaagaaac 720
nggtnatnaa aactttccnc aaaattcttt gaaaaaaaaa aaaaan 766

<210> 2212
<211> 1410
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1410)
<223> n = A,T,C or G

<400> 2212
ganacnncnn angnnacccn tnngannnan nnntncnacc gcatcnagna nangntgtng 60
nnaganggcg agggggnggt aggncntgca gnancnncnc ccccgcggcg tnggaaaccn 120
ttncaacaaa caagggntna taganaagan ccnctagngt accccgcnag ngnaggggcn 180
gnananntag gggagggcnn ggcngnctnn nccnnaacgn ngnntngaaa tccnaacctg 240
gngaaacngg agggaantga tgcágaaaaa ngnacgatan nnncgggacg cnanccgggg 300
cnannaaacc gaaaaaaatc agccccnang ggaaangagg gncnnnanga tnatgaaagg 360
gaaangggaa aggnggaaag gaanaatngg gnnaaaaang gctggggcan gnacgacaat 420
nagnanatcg nggaaanngg ccaaccgngg tgngccannc ctcgncnaan gaagcagnca 480
gnaacggann ggcggatntc cggngggngn ngagangnnc tcnaacgann agaataangg 540
nagnggnggc angnaaggtn tgtgngnacn catgcagata tcgatataca ganggagcgt 600
gancnncaac acaagaganc ncgaaaaana nacnagagnc gngnngnnta aacgaggngn 660
nnnacgatna cacgnatatg nngacanngg gtnctnacat ganacannct atgaaagacn 720
gacgatanga angcgaacgg ggtncanggc gcgcggtaca tgcnnnanan nnagcncngg 780
gngcgantca ccaantctga tgcataacnn tnngggccac agnggnncat gtntanagta 840
acncacacac agngngngcn cnntanccac gaagagccgt annctcnngg agaanagggg 900
aanattacan gacatatcng anctgtacga gganacnctg annatcngag agatgangct 960
ntgtggggag aanccgtntg accccgaagg tngnggaacg acaccacaca aaacgaggaa 1020
antcagtgng ggacangcgc ctnnantana anacgaaaan tnnnaaacga aaagaanana 1080
gngcnnnann tgggnnnntc atncnganaa ganaaagang cnantacaga gangtncnnn 1140
ngatgcccnc agtnaagnan actggcgnca angggacaan acaaagtaan nnntgggaan 1200
aangncgcag ctnnnnnaan gaaatngnna tcnnaatann gganacntct naagancgac 1260
nggggatncg aaacagnacn ngannaagnc cngaaancna nntngantgg ngcanncgaa 1320
nnngnggnnc nacgcgngcg gatnacgaac aacaannacg aanangnagc gtgggcgnna 1380
nggcaaaaac cngnnagann agnctcgtac 1410

<210> 2213
<211> 1170
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1170)
<223> n = A,T,C or G

<400> 2213
caggngggng aggagnnnan angnnnnnna gngncgaggg ggnaccacng nggaaagggg 60
nnagagannn acgcgcgcaa canncagctt ttttttntga nanngnnngg ngcgnaanaa 120
ccnaccnaga gggaangaaa agnncgcggg gggggnnnat aaanccntgc gaggggaaac 180
gngngcaacn ncnnaangga naanaaattt tgaggnaaaa aaggagacgn cnanngnnga 240
ancnncncgn ggagatnata gnnccccnnc nncaaagnag gantngannn ncnngagggc 300
ggagacnncc nncggagacc nnnaagcnag gcgaannaan ancnngancc ccncgnncga 360
gcnccacnnn cnnncccccn ngaancnana ancaannegn cngncccnga agcggncncn 420
ncacgaganc ngaccncatn gnnccccagg ccnncnnacn anagcgncna cancnnncgn 480
ancacnccna nnnggcnana ntnannengn naggncncaa acacgccacc cnncccacgc 540
nanangcaan ngcncacaaa aacggcncnn cacccnccga ncggtntcga cnagancgan 600
ncngccaagn nancacgnng aagnccnaan cnngnncgan aacngcagag acgaggaacg 660
agccacnccg gnganagacn gaccncgcng aacgangnan agcggccgng ncagaccacg 720
nanacgngcn nnacgcanaa gagtnnacgc agacacgnnn acncggnnnc gggggggcacg 780
ngagaggcac cncanatggn cngangacnc acgngcanna cgcnggcgan acgnnccccn 840

ccgtgngagg nncccnagnn acccgagtnc acccccgccg ngcaccacac gggagcaccg 900
ccgcaanngn annaancnac gagnnnggag ncaaaggang ngcccgcgcn tnnntgaccn 960
ncgncncgcn gncacggnca cnaactnngn cgagaggatn tatgcaccgn angancncac 1020
cccgcnccgn atgncnngcn ccacacnncn nggagagcga cacacgncng agngngagcc 1080
cnccccagcg anggacncnc nnagagngag ccccncacgn ctnggaagca gcacancaag 1140
ggggggagcc cngagggggn gntacacnng 1170

<210> 2214
<211> 753
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(753)
<223> n = A,T,C or G

<400> 2214
tcaattnnnn cgaggtcctc caagacctga ttcagcnttt cacacggtgg tgccactggt 60
cccagggttn nccggcccca tctcctcagg gcagtgggtg gggaagactc accactaccc 120
ctaaaatggg aagagaccag ggttccaaag tgacccccag tgggggcttc acacgccagg 180
gagtacatga gatgatttct gtggtccctg atacacagct tttcattttg agagacacaa 240
ttatttgagt atctagtaat tcaagcctgg gattcaaaga tatcatttaa gatgaaactg 300
aatatttctc ttctggttaa gatgaattaa tgagggacgg gtgcagtggc tcacacctgt 360
attcccagca ctttgggagg ccgaggcagg aagattgctt tgagcttaag agtttgagac 420
tagcctgggc cacatggcaa aaccaaaaat acaaaaatta gctggcgtgg tcgtgcgcgc 480
ctgtngtccc cacttattcn ggaggcttgt antgggagaa ttgctggaga ctgaaaaatc 540
caagcttgca agtgagcttg tngtcacgcc actgcactnc agtatgggtn acaganccga 600
gacccttgtc tnaaaaaaaa aaaaaacctn tttatgttta ttttgtnaca aaacatgact 660
ttgagccctg ttcaggcntc aaccttaaat taagtaaaaa acnaattttt taaaaatttt 720
aaaaaaaaaa aaaaaaactc ganctntaaa ctn 753

<210> 2215
<211> 806
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(806)
<223> n = A,T,C or G

<400> 2215
ccgagtcnnn ncgagccaag acctccacgg ccttgtnttt agaaatctcc acaaagtgac 60
agtgaatgat ngaggggggag ttctcagagt cattacagct ggggagggtg cattgcctca 120
tgaattcttg gaaggtgtgg agggagttgc aggtggtttt atatatacta ttcaggaagg 180
tgatgctctc ttacacaacc ttcattctcg ccctcaaaga cttattgatc atataaggaa 240
tctccatgag gaagatgcct tactgaagga ggaaagcanc atctatgatg atattgtttt 300
tgtggatgtt gtcgacactt atcgtaatgt tcctgcaaaa ttattgaact tctatagatg 360
gactgtggaa acaacgagct tcaatttgtt gctgaagaca gatgatgact gttacataga 420
cctcgaagct gtatttaata ggattgtcca aaagaatctg gatgggccta atttttggtg 480
gggaaatttc agactgaatt nggcagttga ccgaaccgga aagtggcagg agttcgnagt 540
acccgacccc cgcttaccct gccctttgcc tgtnggtcna ggatatgtna tcctccaang 600
gncatcntcc aagttggctg gccaagccaa acntcngggg gaggtttaaa aanaccntat 660
ccacgggtcg naanaatgtt aancantggg gcccntcttt gnattggcct cgcccttaan 720
gaacccttaa caagantacc cnancgncaa ggtcttgtng gcttggngtt gaaaaaacna 780
ccctgttnaa nancagngca attgcn 806

<210> 2216
<211> 789
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(789)
<223> n = A,T,C or G

<400> 2216
tnatnctttc nnctctngtc tttntgcang annnnntnnn ntcgaattcn nnncgagatt 60
gcctcccagc ttgggagcat ccaaagtaga accatgactg ggtcatgaaa tgggttaatt 120
tggtttcttt cattacaggg caaagttctc cctgtggact gagaaataaa catattataa 180
aagttacata tgctcataga atagaaatca aagagtaaaa agtattgagt gtaaaaaaca 240
agtgtctttt ttccccccag tctaactccc cagaagtaac ctttttttatt ttttatgtta 300
ttttttctta ccttcaagga aggagaaaag taaccatttt tgagttgatg cgtatccttc 360
gcctgagagc tatctttgta atcatccttt ttggttcctt tttcattttt tgctttcttt 420
ctgtcgtagc tgctgtgtaa tatagagaaa aaaaagtatt ttttcagctc tctcactcaa 480
ttacaattac acagaaaggt ttctgtgaca catttgtggg agtttctccc cacacagcaa 540
acaggcagtc aattctggag agaggtcacc angtgggtgt cctctaaccc aattcaattn 600
caacattgtg gtactcggag atagtgtcag atcccacang ttganggctc tgcccacaag 660
actggccccc aacttgccca ccaattgcag ctccaagctg gtttacctgg gcnttttggg 720
ccaaccgata taaatggggt tccccacccc ttcnttnggt caaatnaatt gccggaaccg 780
gctcacaaa 789

<210> 2217
<211> 881
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(881)
<223> n = A,T,C or G

<400> 2217
gncntttgaa nccctttcaa ctacttgttc tttttgcagg atcccatcga ttccgnntta 60
tggnacgcgn tgctctttcg cagntncncn tgntnattcc actcattggt ganacggatt 120
ccccanacat tancattant ctctatttgg ctctgatact aanctggntn tgttgntnag 180
agataatcct nnactatact aaattctacg tgattatata ttccacctct anttcctata 240
tttatgngct gananttcct tatccatata tgggctnatt tttttttcc ctctncttct 300
tttctacctt tggggnttta aaaagttact taaggactnn nnccnctntc ttacgatgtg 360
aatnccagnt cttttggcaa ggcntgaggn aggngaggga tatgcnngaa ccnnctgtnt 420
ttcaaagggc ttgcncttna cgcttatnga cgggttgccc cccttgaaaa aanncccaaa 480
atnttggggc caaggaaaaa atggangaac cccctgacct nggggantnt tnggggggga 540
agaaaanttt tnttttncca aatggtttnt gggnanaatt attccctatt tggcccccaa 600
gacaatnggn ggggcttcac canccnnggc ttagccccca agccccctcn tgtgcccngn 660
ccccncnggc tggggntngc aatcnaccta tnngggncca accaattntn tanggacccc 720
tcncttgggn caaccaattg gcnaaaaacc cccnatntnc ttatccttaa aaaatttcca 780
aaaaggtttg cccccgggga atnattggat anncnttncc ccgntnaana acnccaactt 840
ncttgggtga aacnctncca anacccgggn nanaaaaaac a 881

<210> 2218
<211> 794
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(794)
<223> n = A,T,C or G

<400> 2218
ngagnannnn aaagctgtgt ccttaatgac agcaaanttt tagcacttcc tttgtcctag 60
agacatnnat tcattctaaa gaaaagccca cgatgcttca gtggattgaa ctgttgacga 120
aacagtttaa taatagtcag gcagcttgtg agtggttttt agatcgtatg gctgatgacg 180
actggtggcc aatgcagatn ctaattaant gccctaatca aatcgtgaga canatgtttc 240
agcgtttgng tatccatgtg attcagaggc tgagacctgt gcatgcttat ctctatttgc 300
agccaggaat gnaanatggg tcagatgatt ggataccnca ntagaanata ttggcggncn 360
ttcatgtgtc actcgctttg cgagancect gtancaatta tggaaccatg gcgtaaaacc 420
tcacagtcaa catcttnaca nagtattttc gccttccttt acnaantttg caaaaanggg 480
gtnaaagaag agagccaant ttttgctcnc attgcaagct atatctacaa tggcacattt 540
tnacatgggg aacaaaaagg gccctggaaa atcctcaagn tgaantgtta tcntgaggaa 600
gaaaggngan caaananaga aggangaaac aaagaatttt ctcttcncct gggcaganca 660
aaaaattacn tggccnanct tgnnccttgg taaaaganga ataangttct ncctnggctn 720
ctttccgntt tgaaccaccc tcgnatccag aaaanggccn aaatgttttc cnannctcca 780
aantgtctca nacg 794

<210> 2219
<211> 750
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(750)
<223> n = A,T,C or G

<400> 2219
cctcaccccg aanntcntnt atnggcccat natatccttn antntcccna ctccaatatc 60
caaannnctg tcaaggatca catactacat ttggttcttt attatagact ttttaaatat 120
cgtngtatac catngtgatt ctatccgtct cctttaataa agaggagaac cagaaaaatg 180
aaaggncata agaggaatga ggtttggaga ataggtgaaa aaaggcatca taatgtttat 240
aataatgttt gcctgttcag agaaacaaga atcacagata aagtcactta tatgtagatn 300
agagaatgct gnattacttt ttgctattct attcactgat cattttttcta agaactctgt 360
ntgcttcttg tttaactctt atgtcagcat gtatgagaaa actganttaa anagatgtta 420
agtaactcat tcctgcttta ctagaaattg gttcgatgag ggacataaac ctagcccggt 480
gtgattttag atgctttttt taacccattg ngtngnattg gcctatattt ctaagctnat 540
tcatggtcnc tgagaagcaa atcatngttc tacctatgac tttagaaaag tnanaataaa 600
gatgttgggc aanaanaccc tttttatttn ggggttcntt ttngaaggag cagantaact 660
ttggttcctn gcattccctt gggtangctn gnggcggggc gtccntnttt aaatccntca 720
aaaangaaac tggttaaccc cttcaanccc 750

<210> 2220
<211> 757
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(757)
<223> n = A,T,C or G

<400> 2220
ccccnnncna atcgccnaag gttggaacaa accntgttca ctggagaggc ctgtgcagta 60

gagtgtagac cctttcatgt actgtactgt acacctgata ctgtaaacat actgtaataa 120
taatgtctca catggaaaca gaaaacgctg ggtcagcagc aagctgtagt ttttaaaaat 180
gtttttagtt aaacgttgag gagaaaaaaa aaaggctttt cccccaaagt atcatgtgtg 240
aacctacaac accctgacct ctttctctcc tccttgattg tatgaataac cctganatca 300
cctnttaaaa ctggttttaa cctttagctg cagcggctac gctgccacgt gtgtatatat 360
atgacgttgt acattgcaca tacccttgga tccccacagt ttggtcctcc tcccagctac 420
ccctttatag tatgacgagt taacaagttg gtgacctgcc aaagcgagac acagctattt 480
aatctcttgc canatatcgc ccctcttggt gcgatgctgt acaggtctnt gtaaaaagtc 540
cttgctgtcn naagcagccc natcaactta tagtttattt tttttctggg tttttggttt 600
ngttttggtt ttcttttcta aancgagggg gggaaaaaag ttcttanggt tcaaattgga 660
aagtttntga tgaaanaaaa cccattggag aatttttttc caggggaaaa aaancctggc 720
atattttggg ttttcnnnca aatgngannc cttaaan 757

<210> 2221
<211> 847
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(847)
<223> n = A,T,C or G

<400> 2221
tttaanccct ttnaactnct ngnnctttttt gcangatccn tnnnnccgat nnnnnnncga 60
gtacgaccat gaaatcacag ggcttttggg tgtctgtagg tcttctcctg gtgaaaagtg 120
ttcaggtgga aacttggana ctcctgggac gtgaaactgg gagccttagg tgggaatacc 180
caggaagtca ccctgcagcc aggcgaatac atcacaaaag tctttgtcgc cttccaagct 240
ttcctccggg gtatggtcat gtacaccagc aaggaccgct atttctattt tgggaagctt 300
gatggccaga tctcctctgc ctaccccagc caagaggggc aggtgctggt gggcatctat 360
ggccagtatc aactccttgg catcaagagc attggctttg aatggaatta tccactagag 420
gagccgacca ctgagccacc agttaatctc acatactcaa gcaaactcac ccgtgggtcg 480
ctagggtggg gtatggggcc catccgagct gaggccatct gtgtggtggt ggctgatggt 540
actggactaa ctgagtccgg acgcttaatc tgaatccacc aataaataaa gcttctgcaa 600
gaaaaaaaaa aaaaaaaaaa actcgaacct tntacaacta tagtgaagtc ctatttacct 660
tanatcccag ancattgaat aaagaataca ttgnttnaac tttngggacc aaaccccnca 720
accttanaaa tgccatggaa aaaaaaatgc ctttattttg ntgaaaaatt tngcganngc 780
ctttttgntt ttnatttggt aacccatttn taaacctgna aataaaaaca aggttaaaca 840
acnaacn 847

<210> 2222
<211> 803
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(803)
<223> n = A,T,C or G

<400> 2222
ccncgnatcg attcggcacg agatnangtc acaaattnat gatattgncc tgggngannn 60
tnctacttgt ntcccnaaga cncataagct nctacaagac tttttnaatg gnnnanaant 120
gantnatagc ntcnncctga tgaatctgtt gcttatggtg cagatggnca ngcngncatc 180
tngtctgnag acaannttgn nantgntnaa aannngctga tcttggntgn nantcctctn 240
tcncttgntn ttgaaantgn tggnggantc attantgcct cannnngcgt nataccaaca 300
ttcctancaa tgcccacaca gacnntcact acctattctg acaaccagnc tngcgtgctt 360
attcaggttt atgaaagnga acgtccccnt gacaaaanat aacaatctgn ttgncatctn 420

tcaaactcca caggcntaac tgccnnccgc cccaangtgg ttcnctcagg attgtnagtc 480
ccctttttga cgtntggaag ccnccngggn gtnccctnca agngccctcg ggctnggggg 540
gaacaaaaaa ttttccngng aaccaaaaag naccaaagga tttcccaatt cacnttaaaa 600
gaanaaaagg ggccgctttn nnnccaangg gaaaaacctt ttntgaccgt aatttgcccc 660
gangaaacnt tgaaaaacct tnanagcctt annnatggnt naacccggng ggacncnggg 720
gggtaatgcn aanaatttan tttgaancnn ttttggcctt ttgaccggga aaaancnctn 780
ttnggagaaa tnngnaaacc tnn 803

<210> 2223
<211> 1001
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1001)
<223> n = A,T,C or G

<400> 2223
aaanaaagtt gttcgantta acganatann tgtngncagt gtntgttggc cgattaatat 60
ncatnattga nagnntgcat tgtacnntgt gttntcatat gancattnta ttatgtaacg 120
ctgtngtngt gatcncatct tatatatana tcantttata gaaggggggg ggggagcnat 180
gaatatacng tagagntgac ggtnacatat tgtatgatnt antnncatta nagcnagnat 240
nanattnttn tatattgtan ncangataag gtntcataaa tatagtttag tnacgnactc 300
tattncngaa ttnnaantnt nnttactgng ttangtannt gaactcaaac gtccnaataa 360
tttattnaat tnggtcanna cnnannatna gggtaatgnc tatttgaann tcaaacantc 420
ctaaangggn ggcgngantg ngngntntaa cnangncngn ttnnagaatt tatngcatnn 480
antnanttan naattngtta tgncnttana tnnantaaat ggncaganan ttccnnatan 540
aantggtttn naannnncnc ngnctatcnc ntttaannan nnanancnnt actatnttan 600
natnnctttn anggtaacnn tanacnnnaa nagnanangt ttgnganntt annacatctg 660
ntnnggaaaa tatgcgtatn nannccatgn gantntctna gcncnnatna tatannannn 720
angatnanta tgggggtgcn tatatncncn tganttnnna tanactatnt nttgtgtcnn 780
gctcngaggt gacaannata tntncatntc tcanacnaaa gtatnttgnn acacncntca 840
ttgtntaagn tccaacacng gagagagnag ganagnagat tttctatant anaaatactn 900
cacatnttat anatgngngg gaggtgtgtt ttatttttnt gtgngagaaa aannaatcat 960
tntctatgcc ataatgannt ctntntggga gannaaagag t 1001

<210> 2224
<211> 743
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(743)
<223> n = A,T,C or G

<400> 2224
tacccncgnt cgaattcggc acgaggttac tcagactata tttgcttaat tgaattaaac 60
acagttgcct atgccctttg aaattctgga ctttcaacag agggcctcta gcccaatatt 120
tgcttaccaa actggacatc attgatgatc tggattcagg cagggtctgg aaaaagagag 180
actgggccaa attaaaataa tccattcact gatgacacaa aactaaacta caattgtttg 240
gcaccctctc ttctccttat cttgcaaaat caaattaagc actagtggaa agaaacagtt 300
cagagaggaa tatgggaaag ggaaaaaaaa ccaaaatgtg atttccaacg agactagaga 360
tttgttcttt atctacatgg tcatgttact catttgatag catctatctc aggggtatta 420
tgttatctct tggccaggac ttatgaaagt taanatttgc attgatagga aaagttttgc 480
agaaatatgg actcttgaga gggtgggagg tatataaaag cagcanagca atttgcattt 540
cttatacacc ctgcttgaga ctgatgtcat tagtgttggt taggcccaag gcttgggggg 600

angctactca naatagtngg gtgacccaat taccccanac cttttggaaa aaggaaatga 660
ctttgattgg aanaagccca ttcctttnaa atgnatctta ctgctcaaat ttcccccatt 720
ggccttttgg aaaaaatgcc ccc 743

<210> 2225
<211> 1411
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1411)
<223> n = A,T,C or G

<400> 2225
annnnnnctg cnncccntnt tgantnngac tangataatn ntaaaanggn naccnnacgc 60
tnctattatt taatannacg aacncgcncc nggacnctaa tgatatactn nnttctntgt 120
anntgaaaan gacatgtatn tccncnangg anngtgggtg aagtgctccc ccccncctct 180
tgnatatnct cnnangactt aatntataag tnatatgnac actcnccnca ntntttaaat 240
gnanagtntg ngggggngng gantattgtn tatacaaacg ccnnanctgt cnctcnannc 300
nataacgntn cnantatnna tncnacntgt ntatnttttc cncncatgta agntnatatc 360
attnncgctg cantnnanat atnctctncn ctgtttcaac tnnctctncc ntanccgnnt 420
ttagnnntnt gtntntgtga ncnacncngn ncgtatanaa ttntncncca ccacnnnant 480
gatnnanttt gttnnntnag tgtnggccta tcnttcggna tnttacatat aaanannnta 540
tctcnnngnc gggacatnnc gncnttnctg gntangnaga tnngngttnt ntgnttgagt 600
annatggnct gnnnnntgga ntcnnngttt tantngcngt anannntaac tnacnttcan 660
tgnagattat anttcgctaa nanntntccn tancagtaga cgtcnccgtg gttgatacan 720
agtacntacg cgccncntca atgncntctg ctacacncan acttatgtat gtgtatanac 780
gacnatntan cgcgntacat ttnggcangt nncnagngnn tagtgcccct ccnattntga 840
gncacacncc ctgtttgnta natcccagnc ntctatatnt gttatatngg ncagcngnga 900
tangtnatat nctnnnanca cccatcatnt antgatancg cagcgtcnnt gnngtatatn 960
gtactatncc canatntnct ttgattntcn cactgctcat gatgatnctc ttntattgtt 1020
tttgtgntan ncncgntcnt atagtcgtnn tntggagant tgntnngtgn atnannttnn 1080
cgcngnanan aatatatatn gatgaaaccc nacaganaca ncnatgtgtn aacntntngg 1140
tgagnnnggt ntnnagtgtt gtntcgcacn tcggtntgcg acgcnagcnt gcnntccgcg 1200
agttatggta gttntaanna tatagntatn tgccgagnga nagagtnatg atantggngt 1260
cncatnnatc attntctgat acntntgntg tgntaccnac cnagttcgnt tgtntnnang 1320
cgagtatacn tntactccga nacagngtat ntcntggcna tanntgatan acnnnncnct 1380
gcgtntnttt atacatnatc tntgnnanag a 1411

<210> 2226
<211> 783
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(783)
<223> n = A,T,C or G

<400> 2226
nctnnntnaa aatcccccac naccctgatt naaagtanga ccttcccata ngggcgcctt 60
tgtgtgctaa aggcaganca ggcaggcttc nccactccta tctcctncgn aggccaccac 120
catcacatnt ataggaggaa caagancact gggggaactc tggagtatga gtaaggaaat 180
gcttctnacc ttntctgntc caaagagata tctgttanat cagggaacna gtccnctagg 240
tcaggcactt cctcctgacc agtgcaacgg gcactccagg ttanaaactg ngtgtgctcc 300
ctctctgtca gttacttgtc taagggctcc tatacgtggc catcaanctc tctggncntg 360
agttctgttt gngcttatng cagcagcatc tttacaacaa acaggntcag taatcaacnt 420

gggaagggaa aaagacnaca gtcaatntta ccccctgtan agccgggang cntttacacc 480
tgnaatggcc ttcttaactg atttctngcc gggcccctca cccccatcca anntctgaan 540
cttgaacaaa tncccacggc accagaagag gnngtctnnc tttgcaanct cccaanccct 600
tggacnaaaa aaanaaaanc tggaagcntg gagannggct tttacggcan ccnnngtngg 660
ncccncgnnc caaacttggt tcnggncatt tatttttagg ntttccccca aatanntcnc 720
ttggagaatc cactntggan ttttttncctt annttttctnt naaanaaaaa acccaggttc 780
cct 783

<210> 2227
<211> 829
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(829)
<223> n = A,T,C or G

<400> 2227
atgnnntnnn ttcgttnttc ctccacagtt tatgngtana nanattaata tttacntccc 60
atacatnaat gtntctatat gngtatgatg ngatccgata accnttatan tgtatccatc 120
ctcacancgc gatntanntn ttatnanggt cnctnacgaa catgctncat agnnntatgt 180
ntataancnt tctnngtgat nagtggatng nctanggcnc ntgnacnanc gggngggnag 240
ttttttgtat cnganataaa tatgcgacgt tcnntatatg tangtntaac atttgtgaac 300
gtanancntn taanacncta tngantctcn nnncnatggn nncananntn ntaaccnatn 360
accctttctn tttcgnacat gtnnncgcat nnnttnttnn acctatnatn gnnanngaat 420
gnatgatntn ntnttncnnt nttnnngttt tcananactc anttatnnca tngccnanna 480
ctcatntcnn tgtaaccnct attnncntcc nnantanncn tntctgatnc gagtnnnnnc 540
nntttnnntn gtttctggcc anncanncnn tnnnnnntga tanncgnnan nnccacgatg 600
nntnaagnta annnaataaa ancngctgcc tnttgntatt tntggaanan ttcncnntnt 660
ngnncnaatt gangnnnnnn aganccgcnn nnnagatnan tcgatttacc nttnncttnna 720
natannannt tnnncannna nttgnnctga nntgtgnnaa anatgctnan acannnccna 780
tttacannnc tatnttacna cntannaann nangnancac nnntncaan 829

<210> 2228
<211> 1341
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1341)
<223> n = A,T,C or G

<400> 2228
ntnncnncan antttnccnn anncgcntat tnntntntga gncctnnctn ttnnncnatc 60
nnacagttgn cnnantctna nagntnttnc naattcntnn tctgctntan tggggggggn 120
nngngtanat aataattnta attngtaatn tttnatnntg nnacnncngn cnaaggttnc 180
nctcattngt nnngtntnnt nngattngnt nnntcanncc tttgtcatan ngtgactgcg 240
gggtgtncan tncncctcgn tnatctggnt ntttnannac tctngntngc tttgtnattc 300
tgntatgcan cntaggantn aggagtnacn tttntcnang tagatagntt ttnacntngt 360
catnnnnagt ngncttatnn gatgtnttan atcgtcntcn tnangnaaan cctctncgtg 420
aanagcttta tcgactnctc ttnanatntc ngtntattna aatcttgnnt nantcncnan 480
gatcatgact ntcacgcgaa antatatgtn catactcata taanagatgt gtgacgtgcg 540
atnatactcc ntcgcgtgat gtttanccac nacananact ancncagcnt ntattnagcn 600
natatataag tagtatcanc catantatnn tgtttatntc natatnacna ataantantc 660
tnctggaacn tnngngccaa atnnctntga tgntacnncc atgtaatatg tctnntnctn 720
nttcnnnacg tctttttata nnagttgncn ttncgantan tgtgnnnnta tnnacgnncg 780

anatatnnnc natgagntan cgtntntnta cgcacataca cnnnnanaat agagtcacnc 840
tgcnnntaca cntnngtnta cggatcctat nngcgagann ncangtntan gannncgttn 900
tncnnnttcg tnnntaacnt attgtangna gcnntccatn nangatgata cancnttgta 960
tnannngnnt cgagtgtnnn tcntacatcn agacgtntnt nanttagncn tctcnatntn 1020
gtacgncgcc gtntnattgn gacctctcna tctnngagnn ngctctccnc cgtagnnnat 1080
antatntana tttgcgtaca taatcttgtn tactgntcta ncgcnnnntg accatatctt 1140
nngannatga gatgtgnnac nntgttaacg acncgacgcn cntannagag nttgtnatna 1200
tagtanatng nttagtnnan anantatnna tgtaganact ncnccaccnc catanatagt 1260
anatacgctc annattgtgt catcgtacga gaaatganag angttttttn nagacgatna 1320
nagtactcgg angnantgng g 1341

<210> 2229
<211> 727
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(727)
<223> n = A,T,C or G

<400> 2229
accncgntcg antcggcacg aggcggactg gtatccgggg actgtgactt gcagggtccg 60
ccatggagcc agagcagatg ctggagggac aaacgcaggt tgcagaaaat cctcactctg 120
agtacggtct cacagacaac gttgagagaa tagtagaaaa tgagaagatt aatgcagaaa 180
agtcatcaaa gcagaaggta gatctccagt ctttgccaac tcgtgcctac ctggatcaga 240
cagttgtgcc tatcttatta cagggacttg ctgtgcttgc aaaggaaagc ttgcagtcag 300
atcaagaaac tgaatactgc cagcatctca gaagccatcc atgtgacccc ttcaagtcat 360
tattctttct gggaccacca aatcccattg aatttctagc atcttatctt ttaaaaaaca 420
aggcacagtt tgaagatcga aactgactta atgggaagaa cagaaaaatt tagttgctac 480
tgtagattta catgattaag aggcagcttt aattgccatg atcattccct ctttttggat 540
gtataagaac cttccggaca acagaaccta tttctggaat tgcagaagat aacatatttc 600
ccttattttg atttaatcac ataaaccat acctatttaa tgagtgtatt cttgngcaat 660
tttttcttca aaatggcttt actttggttt taaaatgacc ttcaaaataa ctgncnaaac 720
ancattt 727

<210> 2230
<211> 825
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(825)
<223> n = A,T,C or G

<400> 2230
accncgancg aatcggcacg aggctaacct tacacacttg ncctgtgcct ttgttgtcgt 60
atccctatgt aaataccttc tccaccttcc cattccttca tggatgactt cccagacctt 120
cccactcatc ttttgaatgt gtttattgct gacttggcaa tgcatcaaaa tctttttttt 180
tttnggccnc aggtnttacn gntttacagg gggaatcccc cangaaancg taaaactntt 240
tgcaacttat gncacacctg ttnttcaagg gcaaggatna ttngcggcta tagttttnan 300
gccnnctaaa gtccctttna nggtcatatn catagcanaa nncncnggga taataattat 360
tnaaaaanga ctnananngg ncaaagtngn cncaggaaat tccnaaacnc tttaataaaa 420
aactggaaaa ataaangttg gngannacct atnnaaccnc tttaaggncc cgagtaattt 480
tttttttcn ccggnttccc ccttccatgg ncttntnaaa ggaaccnngn gaaaaaggna 540
nccctcccnt tntnatttaa antaaaaaat tctttccctt ttggaaaaat tttaaacttt 600
nnatttcngg ggaangggna aggaaaaaaa aaaattttga aaannntgtcn anggtttnac 660

ccntcccctt nggganancа agatttttc ccttttttn gggagggtct ttttanantt 720
taaccnnggg gccntnctaa anggacatng gggaaancan acanngggtt ttccttgncc 780
aaaaaaaanc cntnncnttt tttaaanttt ccgggggngg canaa 825

<210> 2231
<211> 736
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(736)
<223> n = A,T,C or G

<400> 2231
nccccncccg attcgcacga nctcantctc ttgacctcat gatccacccg ccttggcctc 60
ccaaagtgct gngattacag gcatgagcca ctgtgcccan cccctccctt ccttgttttt 120
gtaaaataaa gtcagagaaa cttttccnnn tatagtcaac taatacacat tgatttgaag 180
gagtnnaaac tgagggagtt tacataaaat aacttctctg tgaagtatta gtganatgat 240
cangcctggg gtgggagctn gaagagagga gtggataaag cagtcaaggt caaacaggag 300
tgagacagng agcaggactg aaggcacang tgaaggtgaa gctgctcatg tnnttttтct 360
cccacagcaa cacgcatgta tatagctttg aagcangaac agaaaaaaaa tagattactt 420
aggttgatcc acctgaacta agcaggtatt gnggncattc attgnggaga agcactncag 480
tganagaggt gagtanatat ggtgagctaa cccangagtc anagcntatg tgannctcgg 540
agagaactga acagntcana ggtcggttgc cngaaacnna ggaaanccgc aaggnaagct 600
gggagagcgg tcncatggna tttacnctac ncagggaagc naannnaanc agggccaggc 660
tangctnagt gggantcttc ttccacggtc catgncctgn nccatnttaa nggagntgca 720
angttcatta cgacga 736

<210> 2232
<211> 731
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(731)
<223> n = A,T,C or G

<400> 2232
accncgcntc gaattcggca cgagtgagct gggagaaggg gagaaagttt gtgaagagga 60
gatcggtgac ctgggctcct tatgtgcctg aaagagtttg agtttcctgt taactccaaa 120
tcaacagtat tttcaacaag aaatgtgcaa ttgaaatcaa gtgctgttta agtgcagcta 180
ggatttccac aggaagacac ttgcagtgaa cagagttatg gagcagcaaa aacacagatc 240
tatttggaaa aagagaaaac atatgcgttg tattttgctt caattatnaa ataccatcct 300
ctcaaaggtg gttctaaatt acaaaggact ttgatttcta ggtagattct gggtagagac 360
ttcctttcat attgaggcat taatgacacc ttttaacctg ggaagcaata tgactggagt 420
tgtactttga gaagattaat caggtttggn tgcagaatga aagagaagat gaagtcaaga 480
gattggttta gaggctctag cagaagctta gtcntatttc aaaatgatca aatatcaaga 540
aaaattctga gctgcataac ttgtataaag taattttcag tgatttttt catgggtatg 600
ataaaagaac tggattagca gaaactttta ccctgaatca agatttaatt tttcttttga 660
cctcattnta aggatatcng gacatnggga gcnaaccgat ggngngnctg cctcagngct 720
tgattttanc t 731

<210> 2233
<211> 840
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(840)
<223> n = A,T,C or G

<400> 2233
ttganccttt caactccngn nnttttgcan gannnnnnnn nnaggagtcg nnncgagggt 60
aaaaggtgga gaccatcatt gtggaatctt gtattttcta ttaaggtttn tttantccta 120
caaacttgaa cataaatttt taatatttgg gaaggaacat tcactgaaga attgataata 180
nactaaaaaa tatagctgtt atcaattaat acatgatctg tccttgaaca catattcacc 240
attatgtaaa cctcacatta tttcagctta tttattccac agataccaat agacatgttt 300
tcacattgta gcatctccca aatcaaaata cttctaaaaa ttggtagtat gtcggccggg 360
cgcagtggct cacgcctgta atcccagcac tttgggaggc caaggtgggt ggatcacctg 420
aggccaggag ttcgagacta gcccggctaa catggtgaaa ccccatctct actaaaaata 480
aaaaattanc tgggcatagt ggcaggcatc ttgtaatccc agctncttgg gaggctgagg 540
cagganagtc cncttgaacc cagnagggtg gagtttgcng gtgancccaa gatcatgcca 600
ggcatnccaa ccctggggtg acaaagaagc naaaactntc aatctnnaaa aacctnanan 660
anctttcnnt nctncnnnnn aaaaaacnnc gaancccttn caaaaactta taggngannc 720
nncanttcnc cgttanaacc ccnnnctnga ctaagaattc cnnctgnttg gantttnggn 780
accanccccc nnccttgaan cgccnggcga aaaaaaactg ctttttcgg gnannntttn 840

<210> 2234
<211> 728
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(728)
<223> n = A,T,C or G

<400> 2234
acctcgattc gaagaaaang angaaacaca agaaagagaa gaagaagaaa gacaaagagc 60
acaggcggcc agctgaggcc acctcctctc ccacatctcc tgagaggccc aggcaccacc 120
accatgactc cgactccaac tccccctgct gtaagaggag gaagcgggga cacagtgggg 180
acaggaggag cccgtctcgc aggtggcatg acagaggctc tgaggcctga tggctggacc 240
ctgctcactg ctgttgtggg accctgaacc ctcccttcac cttgcttgcc tcctgcctcg 300
gaagctcctt gggtgtgggt gaagcccgag gctgctcctg tggaagtggc tctgggcacc 360
agcctgtggg gctaaagact tgacagctag ctctggagca gccggcttcc tggaaaacct 420
ccaggtttcg cataccaggg atggcccctg gcttggcctg cgaaggtgaa cctgccagat 480
ttatcaagta gaggctggac tccctctgtg tcctgcccat ggttgcagca gccatgggcc 540
tatgagcggt ctaactgtgg ccaagtatgg tgacctctat ttttctttat attgactctt 600
tgnatttcaa taaatatatt ttaaaannga anaaannntcc atcnaacccc cncnnccccc 660
cccnccntca aannttttngg gggccttntt cccnanaccc nnncttataa aannccnttt 720
nancntca 728

<210> 2235
<211> 733
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(733)
<223> n = A,T,C or G

<400> 2235
accctcgntc ggtcctcctc gtgggcctcc caaatgctgg gattacaggc gtgggctccc 60

gtgaccagcc tggaacgtgc tgatgagcct ctttttctcc tgaaaccccg gtgggaacag 120
atggtggatg cttccaaaag catcgaagct gtccatgagg acatccgcgt gctctctgag 180
gacgccatcc gcactgccac agagaagccg ctgggggagc tatggaagtg acccaaggct 240
gcccactgga gacgcctctc cctgcagtcc cccgagaggt gggagactcg cggaaggccc 300
cgtccccagc ggagtccaga ccccacaact tcaggagctc tttcccggca gcagagatct 360
gcaggctgcc tcttctgccc cggagctggg gtgcactggg gacccccgtg gtggggacct 420
tggcagtgtg gacatgagca gagcgatgga gcagtctcct gccctctccc ctgtcctgat 480
ggcactctgt tgtatttttct tactgaagtt cagtgataac tctgagcagt ttcattgtga 540
tcactgtaaa tggtaatcag ttggaattct cctaaatgtc ttccagacac tagtaaaaaa 600
aganctgaaa aaaaaaaaaa aaaaacctcg gnccttaaa aactntaggg ngtccttttc 660
cnaaacccca cncctgaaaa annccccnttn gtgagtttgg gncnccccccn accnttaaaa 720
acnnnccnnn nca 733

<210> 2236
<211> 823
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(823)
<223> n = A,T,C or G

<400> 2236
nttttgggg ggtgtttgga tacattagaa attactgctn ganaaaaang gtcctngagt 60
gggtttttag gannaanccg tannctnanc gtgntncata tttncnngng ccctacacca 120
ncnctagtgg nattgtcact tcatccgnct ggatatcana acgtgttcag gaacactgaa 180
gttcatnaga gaaattcaca anctctacga anncacngtn atttcttttt cctgggctgn 240
ggntggactg tggatgacac cactttccag gccctttct tggaggcngn caagcntaaa 300
tctgacctan aacatttcat gctggttcgg agaggagacg tanatgagtt caaaaaagct 360
ttgagaaaac atgctggata aggggattaa agtcatcttn tatggagatg actattgccc 420
gatcnttcan aatantttca agccgactga ccatgtgaga tntccacaag ggngcacntt 480
atnggatggc gngagaaang tcaantttaa tggtttatcc ngctngcaca cnngtgaaat 540
naagaagnct gttntacant gaancccacc taaaannaaa tttnnnnancc gnntantanc 600
cangtntgnt aagggtcnta ttacnngaaa tgtgtcttan acaaagnaan cnttaccnng 660
aacccnancn ncnatttccc caaaaaaggt gaanccaaat tnnctcccaa ggtttttaan 720
gggcnggnng tnccaaaaaa agggngggaa anngtntgca anangttant nccccttcnat 780
tnacnccntn gggttcnttn gaanattncc gggccncntn gnn 823

<210> 2237
<211> 729
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(729)
<223> n = A,T,C or G

<400> 2237
cncccccanct anctcntggt gggcttcaaa tttactttct cccctctgcc agtgctgcta 60
atggaacaaa cagtaaatct gtagtggctc agataccacc agcaacttct aatggatcct 120
cttccaaaac cacaaacttg cctacgtcag taacagccac caagggaagt ttggttggct 180
tagtggatta tccagatgat gaagaggaag atgaagaaga agaatcgtcc cccaggaaaa 240
gacctcgtct tggctcataa aatatttatt aggggaccct caacatgtgg tcttacaatg 300
ctgcaactgt tcagtgagct gaaaatctga atcagaaagc tttctcaatt gaacttataa 360
aatatacaag gagtagcaaa agacagnata tcagctaaga gagtttagtt ctaataaaaa 420
tcaggcttcc caggaacttg attgcttgct agtaattaag gggtttgcct tttaggctgt 480

caaaacaaac attagtaacc agaacctggg agatagcttc ttcagcaagg aaaagtcaca 540
ggtttgggga cggtttacgg gaggggaaaa ggttgatata ataatgccag gttgctnctc 600
gggtgtcgat ctagaaacaa ttttacagaa cttcagttgt aactcaataa ccttacttgn 660
ataatngggg ctggccatgt tgtggtttaa tcagtggctc tttttaaaag aaatttttt 720
ggnaaacnt 729

<210> 2238
<211> 1200
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1200)
<223> n = A,T,C or G

<400> 2238
aagggaagag gnnnnggggn nnnanagncn ggnancgcaa gagaaaaana aaaaanagng 60
gaaacgncna cncaaaanna aaatgntggt cgnggcnaaa ncacccanac gcnnnnacag 120
nnaccanaca aangngccca cgaggccgcg gnggtttntt acgnacnncc cgnnaaancn 180
cccaccnngc ggcngcgncc ngngncnacg naannnaaga gaaangggcc gagaggaacc 240
ggtanggcna cnaccnaana agnacaggga aaagngggca cacnactccn naccnggaaa 300
nannangcaa nagngcncng acgnncnnac aanncaactc agngaagcaa ncnagncccc 360
gngacancan aanaccnagc ntncngagac anancgggaa ncaacggacn ccnancnaac 420
caacaantga ctagacangn naaaacccna ngnnngacnc cgacnatcng gnagcgcggg 480
atggcnnaca nngaagtacc gccancaaaa atggannnct nacnngggcc nggacgcaag 540
caggcgggaa ngnntgngat ananannnan acanngncng gnagggcaaa agggcgcnna 600
tggaanaacc ngangcccag acanaccngc annaccaggg tcgnncnana catnacggcc 660
anaacncnca cggcggcacg cnaaaaacga nagncancna cngcnnnggg agcacganca 720
gnctnnanga nacngtgang aanncaccac accacnacct nagannncagc ntancaggna 780
agancananc cccccnncga anagnccaag gncacnncnc gcncacaaca ggcncgcggn 840
gcancngngn anngangcca aacganctnc cccncacnac cganacccgc cggtnnagga 900
nnanacncnn atncgcaggc aanaaaanat aanngcanac ccncccgant nnngnanact 960
nncncncnaa acanncgcgn cnccgagtcg ncgtnanagt ataacgcgcn naggacgcnn 1020
acagacngac atngtangcc accccggnnn cntgactang cagacgaccc nccnacnnac 1080
gcgcnnnnga tatcnccgcc nngcaaacgt ccaacacccn ncccctncan cacgccngtg 1140
gnnncgcccc accanaagac cgncncncccc annnancccn ncgcgaaaca cgagnggngn 1200

<210> 2239
<211> 735
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(735)
<223> n = A,T,C or G

<400> 2239
ttaccncgnt cctcagcagg gagaaaagga ggcagtgggc acagccgtgg actatggcta 60
cttcagattc ttccaggacc ggaggattgc ccgctgcccc ttccacacgc tgatgccagc 120
agagcgcgag acgttcctgg cgcggaagcg gctcctggag tacatgggct tgcagctacg 180
gcaggctgtc tttgccaagg agagccagtg ggaccccacg tggctgtacc tgtgcaagag 240
agaattccct tcttcaagtt ctgctaccag tgtggccgct ccatcggggt ccgcctcttg 300
ccctgccctc gctgctacgg gatcctgacc tgcagcaagt actgcaagac caaggcctgg 360
accgagttcc acaagaagga ctgcggggac ctggtggcca tcgtgacaca actggagcaa 420
gtttccagga ggagagaaga attccagtga agcagcagct gcacgtccga ggcttgggga 480
ggaccaggac tgtgtgggtt tcttacctgc ctgaccacct naaggaatct tccacctaat 540

gcaagctttt ttgcancttt tggggtcatg ctttttanca agnntctccc ttgcgaacct 600
nccnataaaa tttggcccca ccggggnnga tttttacaaa aaaaaaaaaa aaaaaaactn 660
cnncccttta aaanttnttn ggnggccttt tcccccnatt ccccncccct taaanaaanc 720
actnntgnnn gnttn 735

<210> 2240
<211> 738
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(738)
<223> n = A,T,C or G

<400> 2240
cacctcgntc gaatcggccg aggtttagaa actgattcta gacatttaag ttcccagact 60
aatgtcacag aagctaatga attgcagagg ttaattggaa gcctggtctt aacactccca 120
ggttatctta atgagttcat gaggatggca tatggataat gcacttcaaa gggtgttgta 180
agtattaact aagttaatac aggtcaaatg catatattag cactcaatgc acggccattg 240
atcaataaat gctagtggtt ctgatcagtg agaatctaac ctctgcttaa atacctttag 300
tcatcagcag cttccactcc ctgagtaaca tgttgcattt cttgatcaat tatattttta 360
cagaattctt cctttactga agttgaaatc gtctccttga aatttctact tggtatggcc 420
tctctgtttg ctacacaaat aaatttaatc ctaattttat ctancttatt ttccaagcat 480
aaccacacca atttcattaa atgattcctc atgttggcat gacttaaact ccggtcacca 540
tcctatttgn ttttcncaaa gagcttccag ttngactgct nctgtgaaaa tgtccatcta 600
ttaatggaaa tggnttttte taaaatttac aagancttcc ccgttgtatt gnggtacaag 660
ggttaaaaan agttttctgg agaattcctt tgactctntt ttncccaaag tttnttgngg 720
ggnccttttct cttttcct 738

<210> 2241
<211> 721
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(721)
<223> n = A,T,C or G

<400> 2241
caccncgttc gantcggccg aggtattcag taagtaccaa ctatggtgct aacgtgagtt 60
cgatacgaaa aaagctgaga ttcatctata tccattttag aggaaagaag tgctatgacc 120
tttccaaact ttcatttctc tatcccaaag tctcatctaa acagatttta ctactttatg 180
atctatgttt aaagtccttg ggataaaaag aacaaaccca agaatgagga gtcttacttc 240
tacactttta tgatttctta tattggcatt agacataaac atgtctgaga ggctgtctgg 300
tccaactgtc tctggtcact tcgatcttcc aactgccaac tcccaggcca tgggatcact 360
tcctcctcta aattctacct acttttttata ccattcaact ggaaatttac cccacacaag 420
atttttggca tccctcagat attgttatat aactggaaaa gggcaggaaa tgtggattat 480
aatttttttgc aataccggga gtggcataca tggagctttg caccattgct gataattgat 540
acacatctga ttaatgtata aattaaccaa acagtactga ctctcaagtt ttcagaagtg 600
tangagtctc taaatgggtc tgaagatacc atagatgaaa ctttcattna cactgccaat 660
cgaaaaaaaa aagccattgc caacataatc caatttttcc tcaaaagatt ttggnaattt 720
n 721

<210> 2242
<211> 743
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(743)
<223> n = A,T,C or G

<400> 2242
nccnccganc gnttacgtga ngnatnactt actgtggaat tgcattncaa actgggctga 60
ggtgggatgg tggtggtaga taagaggcca gctctttatt tcaagccaat acatgttgca 120
ggctatggac acaaattcat atgaacctgt tagaatgcan aatagcccca tgttaaactg 180
taaacacctt atcntcatca ccattcatat aaattagttg atttcatatt ttgcgtntgc 240
tttgtgaatg agaaaacctg atacttagca tcatcttccc taaatacagt cctgaccaan 300
caaataacag aaaagccttc tacagtanat attttgtttt ttagaatnta tcattnacnt 360
ntttaattta atgctncaan atagatnata cacgtccncn aatttgaang ncnaaacaat 420
gtaaaanggt atatgcagag aagtcttatt cttacccatg ttggtaaatt atatattgnn 480
gaccccacct accccaccca ggtaactata tttattagtt ntcatttatt ccttccngcg 540
gtttgtttat tgccaaattt tanntaaaag atnaatttnt ttgntcataa tntctgnctt 600
tttctttant agaaaggnag tatactattt acntcggtct gcnntttttt nttcgttgnc 660
gnnggtttnt tggtttttgn cttttgnccc tttggagnaa gggantcttg gttttgtctt 720
tcagcctgga ctgccatggc ccc 743

<210> 2243
<211> 773
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(773)
<223> n = A,T,C or G

<400> 2243
accncgnctc gantcgcacg anggatgctg agatgatagt ccttttgacc aggatgtctc 60
aagtatccaa gcccanaaat catctcttct aggctgaatc aagatggttt gcataagaga 120
ccatgcagat gcacgtctct gctatcttac attaaaaatg cagaatggct cacctgccct 180
ttgttgtcat atgttatata gaaaaaccta tttgcatgag aactgtcacc cacagttttg 240
ggtagggtca gtgtgtgcca ctgagcagga acgccgaggg ccataacctg tctaatgtat 300
taaattctca ggaatcggga ttaaaagtta accagccagc atcctttgct ataaggttga 360
atggcgcaaa aggcaagatt gatgcaaagg tgcacagccc ctctggagcc gtggaggagt 420
gccacgtgtc tgagctggag ccaggtganc aggaagcctg ctgggggtc ccagcaccag 480
cacttttcag canaatgttc ctgtaaatgt gtgtcccaag gggagggctg atcaatttca 540
ttactggcag tgaagccttt gnaattccct tttnntggtg ccanaatatt ngttattnaa 600
attaangggt ttnaaaacat ntgcccaagg ggataagggg anaaacccct tttatgcctt 660
anggaaaaaa aaaggcccaa ttcccttcct ttccttttta taaaacaaaa tggcnttggg 720
ctttgggtcc anctggccct ttaacccttg anaaggntcn aagncntnca nna 773

<210> 2244
<211> 722
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(722)
<223> n = A,T,C or G

<400> 2244

accncgntcg aattcggcac gaggctgggt gcatgtgcta ccacacccaa ttatgaattt 60
catcattagt ttcttagtag agtccacatg tcctcagtag taagttcatc agtgctaaat 120
atttgaaggt atttctactg ttttgtaaaa gtaacttaag cctacctggt ctgctatctt 180
ttgagtattt atactttcta cgggcttgta ggtaaacata aaaagagaaa aaatatccca 240
ataatacagt ttttaacctt ttatgataaa gacatgctta gaattgctgt taagccttct 300
gagatttaac cactgaaact aagtaaaaga caaagcactt aggtaaagct tcattcagta 360
tccattcacc caatactggt ttgattctag ggcctaggaa aataggactg agcaaagccc 420
ttgtccagat ggaacttatg ttttagaggg gaaaacaaac cataaaaagg taaacagtat 480
aaaatcagga aaggataaat gtatatgaag aatcaaaatg aggacngtga tgggggataa 540
gaagggaang tttttgagga gagcagagca atgatgtaaa agccagacac acagataggg 600
gaatagcttt cctactaang ggatgggaaa taaaagctga gntttggctt gaggcctcca 660
acattganaa ttgctanaac tntgggaaca aggntanagn ggaaanattt tagccaagnt 720
cn 722

<210> 2245
<211> 746
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(746)
<223> n = A,T,C or G

<400> 2245
accncgntcg aattcggcac gagggtggag ggaggcagcc ggcatggcat ggtgaggaag 60
ggccatggaa gaggacagaa cctgtccacg gagtcaatgc tgaggaagga agacggagga 120
tgaggccagt caggtttttc gtggtggcag tgccttatgt ttttatcgaa gtgtatattc 180
acacagaaaa gcacatctcc caggatcctg agagagcttg aaccagacca ctgtggacac 240
ggtggccacc cgtcaccact acccttccca aggggagacg aggagcaagt aggcttgagg 300
gaaaagctgc acaggactcg tgtcttgaaa tgtctaagac gcatgtcaga aatgcaggta 360
agggggggtg cgggtgctcg cacctgtgat cccagcactt tgggaggctg aggcaggagg 420
atcacttgag cccaggagtt caagactggc ctggacaata taacgaggcc tcatctctat 480
aaaaaaaatt aaaaattagc tgtgccccag gtgtgttggc tcacacctgt aatcctggca 540
ctttgggagg ccaangcagg tggatcacct gaggtcanga attcaagaac agccttgccc 600
aacatngaag aaactgcatt ttctactaaa aaataccaaa antagaccgg gcgttggtgg 660
tgcatgccct gtaatnccaa cttcctaagg gaatcttgag gcaggganaa atcactttgg 720
aacccnngna ggccggnagg tttcnc 746

<210> 2246
<211> 844
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(844)
<223> n = A,T,C or G

<400> 2246
accncgntcg aattcggcac gagagggact tcgttgtaat gggttttgct gtaagtctaa 60
tggcaagatc accattagca aatggaaatt acatttgaaa gccattaggc ctctagaact 120
atagtgagtc gtattacgta gatccagaca tgataagata cattgatgag tttggacaaa 180
ccacaactng aatagtctgc ctcacnaagc cgctttctcg gcnactancn cgccgcncgc 240
cnangnnagn ntcccattnt nccccnngtt ncccacattt ccctgaatta anngcnattt 300
ncttatncag aattgcactt nnagnagcan nngganccnc nggcgtctnn ccngctacnt 360
ngtggannnc tgccnctctc cnaaaccggg ctttaccncc ccgnggcccc ccttcccttt 420
tctcntttac cngnnntccc ccnnctttga tngnancccc ttggtacntc nccaagntgt 480

tggcnccnna ccaattggan cccncanngt cgcaccnntn ncnctngcan tttttgaccc 540
acttcntatt nnaaccccac gttcccttnn tngncccccg cgananancc ccgctnncng 600
ggncattctt ccccanggtt ggccnannaa aacccccntnn gcccnnntcg gccntggntn 660
cgcggtctaa ctnttntcnn naatanntcc cctnttnngg ncancttgcc aancccnctc 720
tccnttgtcc nggttccatt tnccnctcgg nnnnnatctc ccanacattt ggcnnncntt 780
ctcngaanag ctctcncaca ctctcntacc gcctttaatc ncctanncaa cnnnagcccc 840
tnnt 844

<210> 2247
<211> 750
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(750)
<223> n = A,T,C or G

<400> 2247
accnncgntc gantcggcac gaggtccatt cttataaagg gaacttctag caaacctgcc 60
cagccctttc cctggaggga aacattatct gtattatcct aaagagcaaa caaatctgct 120
cttggttcca aatagagaca ctttatcttt caagacaatg cctatgcaaa tatcttagaa 180
aagatagtct aggagaaaca agctgccaca agaactgcaa aaatgcaaac agcctataaa 240
gaattgtctc ccaacatatt gatcttttat attattctct ttatgcgttg tcataaaaag 300
ttgagagact gcaatcctgc acctgaaatc ctcatttccc ttcttttcag tgttctttat 360
ctgatttttc aaaattcata tactatttgt acagtttcta ttgaacctca cctgaattcc 420
agttttattt actatgttaa atgattcatt caacagctat ttactgagta tatattgaag 480
agatagctga actcccatgt ttgttgcagc acaggtcatg atagccaaga tttggaagca 540
acctatgtgt ctatcagcag atgaatggat aaaaaaaatg ttgtacatat acacacaaag 600
gtacgattca gtggatcaaa atgaaatgga gatcttgtca tttgcaacca acataagaat 660
gggaatggga agtcattatg ttaaagngaa ataagccngg ccccagaaag gacaaaccat 720
tggcattaat tcttcncttt attcatnggg 750

<210> 2248
<211> 1400
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1400)
<223> n = A,T,C or G

<400> 2248
nnaaaaaaaa aanccgnntt gaatcgncna aaaattaatg gtttggnant ngnagangan 60
taanngaatt tacattttta atcgtatngt ttganatggt ttaanngggc gggggaagna 120
tatngnntaa ttggaggatc ccnaccaaac actnttcgng atgtaagggg ngttgagaaa 180
atactantga natggntanc tataacgaaa catacattca tcccncctat ctgttgtnan 240
tatagtaaca tgnanatatc atanggggggg gggggggggg agttntctnt ntnntcgann 300
ctnaataggt tcgtacgntt ntagtggtnt ccatatacnt gcananatna tcnttngtga 360
nntatgtncg ngnaccatat aagtnacatn tcnntcacga ntattattng agngtccncn 420
nattacntan gcgcnnnnac cnngnncnnt agtaaatcna nacacannng cgtgcncnan 480
ngtnannnaa atgtagnnnc gtgtgaantn ncgccnanga aannaggnnn nantannnnt 540
atnnananan nnanngntat tgatgngatg attannattt antcnaantn cacgnnnatt 600
ntntangnnn ncnnntgnng ttnncatnnn cccaccncng ntgannnnaa gnnngnacat 660
ngccnatgtn nnttcnangt ngangataat natngcntnc ncnnaattan nngntgacnn 720
cnannccnac ctgtttncnc cgaagtgncg annnatatnn accncnnttt tatacancat 780
ngcccnnnnt tgcccnagta tnanantatn canntgntgn ggatgngngg annatgccnn 840

tntntaggcn nntatnnntn nntnaantnt atncggnaca cnnacgcatn tntatatncn 900
angtncnctn nnatatgnna taagantgnc atntngtatc nntgnctaaa tatacgacca 960
gcanatnttg tctntntcac tnacatntat catagacgat gnntnntnaa tatnggcntc 1020
tatgantatn ncnggcnnnn catatatatt attgatcgcg ntccnnctac nnagatatct 1080
atcgcgagnt caccagtgtc tncnngaana ttacatgcnc ncgncntcgt ntannagttn 1140
atgcgtntat gtgagncgtn cgacctcncg tgcnatntan nganagancg ntagtctnan 1200
tatgtagtca nagtatatat cgtcgagnta ggagcggaat atatgtanan anacgctntn 1260
tataggaann tcggtatncn ncntnanatn tcnacaacnn acaanttnct aangnatatt 1320
ctttcatgat aatctngaat cgttaattat nntannanng nacancacta aatgatanta 1380
ngatnaannn cgtaccnagn 1400

<210> 2249
<211> 1045
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1045)
<223> n = A,T,C or G

<400> 2249
gggggggggtt gntanacgan acgagcaagt cnctaattnt tttttnaccn nntnantatt 60
atcacnntnc cnttgnntaa gaaaatntan tantcaaacn ttttcntcan cancgggtta 120
tagccntctt tatnnggggt nntcttnntg caccnataaa acangctttt ttgtccanta 180
antttttttt gtggngcntc ttacngcgnn ctgtnttggn ccccanttan angncccnnc 240
cggggtatnn attatnanan tantncnttt ttttngaana tcncntatnn gnnaaagaga 300
aagncntnat tatctannan anggncgngg ganaacaaan nggatgcnan attttgnnct 360
tnatttggtn tnngnngcnt tannntcggn nanagtgggc ccgcnataac aagntatcan 420
aatgccccgg gaaccctnnn tangtnntnt tntaaaagan aatnngtccc ncccngaaaa 480
anaatacana ntttgtgcct gagagggnta aattaaaccn ctcatcnttt catacttaan 540
caaanatant attcnnntaa tnttntgcng ccgggcnnnt ntataaatna nttttcacnc 600
acanactggt gcggggcgca acaacannng ggnancccac tcnttattna atcgntccat 660
gggganttgtg naaaantttt anttgcgnna cataataaaa agtgnctata taatganncg 720
ctantgatag aatccggcgc gntttcaata ntatatggtn gccgatgtnn cnaaaanata 780
tngagaagna tntacnaggn gtgggcccnn naaaagggtt nttanannna tantcttgtn 840
caccnnatat nttcnncctg gannaaaatt attcnatngg gcatacnntc gtttatacnc 900
cactggggtt naaaagaaaa atanttgacg ntngtannng gccaaaaacn agagnntntt 960
tntnggggggg gggaangtgg gcataanaan acnaattttt ttcttttgtt ctnnacccaa 1020
anatacnggg gggtnttaaa nnnat 1045

<210> 2250
<211> 735
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(735)
<223> n = A,T,C or G

<400> 2250
accnncgntc gantcggcac gagatcatgc tgctagtgtt cccgctacta gtgctccgtt 60
agttttaaat catgttccaa cttgaatttg aggtcttttg actttcgttg gctttttgtc 120
agggaaaaaa acctgttagg gacagggttt cacaattcct tttatatttc cattcacatg 180
tatttacaaa cgtgtgcctg gagtagtaag tacacaataa gtgagtttcc agctgttttt 240
gtttcggaaa caaaaaaaac aaaacaaaac aaaacaaaaa aacaacggaa ggtgaatgga 300
attgtgtttg taacattaaa ctgatgtttg aaaagtagtt gggaaaaaaa gcttaggtac 360

taaggagggt tcatccaact ttttttaaa cgaaggacgt gttgccttag ttcaagtttg 420
tataaggtgc tatttaatat gtattgaaga cttaactaga gcttacttat gaaaactgaa 480
aataggggcc gggtgcgttc acgcctgtga tccagcattt taggaggttg aggcgggtgg 540
atcacaaggt caggagttcg agaccagcct gtccaatatg gtgaaaccag gtctctactg 600
aaaatccaaa aattaaacgg gcgtaatggc angcgcctgt aattcccact taatcnggga 660
ngctgangca acaanaaatc gctttgaacc cnggaggcan aaggttncat gggcccnatt 720
ttggcccttg canna 735

<210> 2251
<211> 1047
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1047)
<223> n = A,T,C or G

<400> 2251
ttttttttn gaattntgnn gnggntctnt aatnncccng gcgtnnncgg cnagnnaact 60
tgtataccan cnnnttttnc ntcttntatg tnctgntntt gttngaancc tgcanattgc 120
tnggggtna cttnttnant aaataaacnc ctttaccatg gatttccntn atantnnntt 180
tngngtcana ttagcnnatt cncncnnacn cctntttann tcncggctnn gtattnttan 240
antnnngtng gnggngttaa aaataanatg acgggntttt ntccntantt annngtantg 300
tanngngccg tgncancntt ntttatcnna ntttgntncn tttttatanc ccnnttctcn 360
natgnagnat attggccanc gaaatttaan cctcttntta tntanccnnc nttnttatat 420
aaattggnnt ttttataatn ntttanaagt nancntngng gtttatatnt ntgttanaaa 480
ngnggnnttt natnttaann caacggcttg ttcncgnngn ggttnagcnc caanttnann 540
nttcnnnttn gtatatntan nnntattttg ttnanncccа cctgcatcct tttatacnca 600
tcnntttata gnntgcnnat atanggctat tagagcacgt nnatntagtt tnttnccnnc 660
canccattnt tntcccgctn gtnttgnnnc tnaccgcntn atgttntncc cntcattant 720
antncccnnt cnttgtattt ngnntnnnat tnattttant cgtggcncna ttgttactnt 780
gtgnggntaa naanaggntc tntntgggtt ggatanttaa agncaggcac aaatgnataa 840
nttntnggnn tgtgnaattt atnttttcng gggggcttta tnngntcttn gattntgcgt 900
ncccctttn ntnaaacccg ngggggggngg aaaaaaactt nttagngntn caangtnann 960
aantntctng gnaacnaaaa gnaaattnng naaatttttt tngngnntaa aaactggcaa 1020
tttnggnatt tnnannantg aggctan 1047

<210> 2252
<211> 719
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(719)
<223> n = A,T,C or G

<400> 2252
acctcgntcg ttttagtcca gtggcttgta attaagtcat ttttagtctt taattatgtt 60
ggttgctttt agaattctct tttagagttg gtctacatcc ttttaaaaca tgggcaatcc 120
aaatttataa cagtaaatta agatacataa aaaaaaacac tggctaaatt taaaaggaaa 180
cacttctaga atatactgta ttttgacaca agaccagact gtgctatgtg tatgtggtgt 240
ttcaagtaat ttaagaaaac tgttggaatt ttctgtattt ccagtttcac aagaaacaac 300
ctcaaggagg gcagtttaac tgaaaattca gaggtattat agctctgaag aaaaatactg 360
atgagcagtt atacaaaatg agaaattgag ttctaagaaa tgcatcccta acttcaacat 420
aaagatagct atgagaaaac attctttgtc ccaaccataa atgaataaaa atcacctcat 480
ttctcatcag atgtttactg ggttgctagt tatatataga atcctgcaag aagctcaaca 540

gggaagtcca aagagtcaat caagaaggta tgataatggc taaagatggg gactgnangt 600
caatgctcca cgaagtcttc ttttgtgccc aatatagctg cactggtatc ccatatgggt 660
acaatccagc ctcanaaaat gtgcagatgc cctcccagaa gntgagaccc agttctcat 719

<210> 2253
<211> 738
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(738)
<223> n = A,T,C or G

<400> 2253
cnaccncgnt cgccttttag taacacaaag ttccaagtat gttacctagt ttacagagtg 60
gtactcaaga agagaattaa cattcttact gtaaaacttc attgataaca atagtctact 120
tctagaaaca gaaataagaa ttaaaaacag tgctatctat ttgtactggt gagtgaattt 180
taacttttaa gaaaatttta atgtttaaga agaacttcag tgtatggagt tacaagctat 240
cctgaatatt tttataatag aaagtattag ttttcccagt gtggcagctt cttaataaaa 300
gaaattattc ccttaaattt gttctttctc taattagagc agtgtaaagt accatgcaga 360
agtttcagga tctcatacaa ccaagtaaat agggttttta tccccctacc cagaaggtcc 420
catgtagata atgaaagatt gtatttgcca ttctgtgaaa attgctttaa gcccatcaaa 480
tgcntaccct gctttttaat cttaacagcc tccacttata ttttaaaaac ccattccttt 540
ctttctttcc ttctttttc tggagacaan ggcttgctct gtgggcccaa ctngagtgca 600
ntggnggcca tnaacactna ctggnagnct cnanctngtn ggngttaagt ggatccttcc 660
gaccctcagc cnnctngagt anctggggac tacnaggngg ggcnanaaat gcaacctggg 720
gttgggtngg tttggtta 738

<210> 2254
<211> 752
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(752)
<223> n = A,T,C or G

<400> 2254
gacctcgntc tccgccccac ctggtgaacg ggcccggcca ccaccaccat ccactctgct 60
gcggccacat aacccacctg gcccagtacc catggcccct cgaccccgag ttcgggccca 120
gccttctgga cccagccagc cccacgtgtg tggcttctgt gggaaggagt tcccccggag 180
ctcagatctg gtcaaacaca ggcgtacaca cacgggggag aagccataca agtgtgcaga 240
gtgtggcaag ggttttggtg acagttctgc ccgcatcaag caccagcgtg ggcacctggt 300
cctgacgccc tttgggatag gggatggtag ggcaaggccc ctcaagcagg aggcagcaac 360
aggactggaa tgacgcggtc cagggagggc ggaggcccag gagaccaaag ggaggggctc 420
tgccgcttag cagagaagaa agggcctggg aggtggtggg aggganaaag aaaggaanaa 480
nggggaggaa gaatanatan aaatanggat tggagacagt aacccctttaa agctcaagaa 540
acttgtcctt gcttgggctt gagttaagga ccttngcaag gaccggcntt tacccccttgg 600
cttcttnaaa nactnnctaa ccacacaatn aggcatttca attactttgt tgaataaaat 660
aaaacttggc ttttcccctt ncnnacaaan annttnctcc tncnntncnc ccnccnnnnn 720
ccccannctc ccccccccttn aaaaanttta na 752

<210> 2255
<211> 1369
<212> DNA
<213> Homo sapiens

09/534,000 - 03/23/00

<220>
<221> misc_feature
<222> (1)...(1369)
<223> n = A,T,C or G

<400> 2255
attttttcn ctnataaaat cgagtgnaat acttgtnaan cctttatant nantttatcn 60
nctgacgncc gcgccttgcg tatatatttn tgatgatgag atggacttga ttggagntgc 120
atgtatanct nctctctntc attantnttn ancacacanc ggtgtgtgta nttnnnntgn 180
gnatctntgn tntngggngg gggggnaatt gtntttanca gtaatannan tnttagttgt 240
cnntcacact tagngtgacg antatattnt atntatanna cagcnnttnt tgngcnactt 300
angccncann ncantnngnt gncccnannc nagttnntan tacatcacca ccataangcg 360
gntnannnaa natnccncgt ngcancntnt attacnntag tnantgccca ngtncnntat 420
nannnacnnn atcgtgnann nttaanncnn gttttatata cntcnctanc natgtngnnn 480
tatgngtacn ncncattnnn ngnncttann ggaaantnnn tntataacag tgncnngcnt 540
nnnnncnnnt ntgaacatat anntngngct atatancncc cnnntcnnna tnnntgtngn 600
tgtancannn antanatnnt aatacgacnc tcanacgaac ngnagtggag anaagctang 660
anannnngta nttgtataca nncntannan tgangactna tttnactagn atnattnnct 720
nnncttatct nntganatnt ccncacncgt nantaattan caaacncgtn ntgtgnanca 780
ntnngatnnt gnagaggnnt ncgncgngtn aacnanncna tatncccccc tntttnanta 840
ccnntgcgtt ngagngtngt tngttncacn accnccgatt ntganacgng nggactgatt 900
agtggngaca cacanagagn atanntntct nngcantaca aancgcgtta atntctcacg 960
ncgncnaacn cgtgatcgag tgtnacgant agaccgtntg tgctnaancg agtgngatgc 1020
ggntnactca tangtntntc ngatgacatn ttgtgcnaaa tggagttgag ccatatgtaa 1080
natntaacca cgccccnatg ggtaaaagga atngnnntnt cnncggngta ggattgnact 1140
cgccatcgaa gntatntgac atcgtgtntg tnacnanatn ntcatcngat attagacgct 1200
nnatcancgn gnggaaacgn ngacnanann acgaanaana tnccccccctn gagtatngnc 1260
cgtaaagacg tatatntgac cgnacntnan gggnagcatt tgtatacann tnccccccncn 1320
acacatangg cgctntgtat tatanttagc tntanacnng taatagcgg 1369

<210> 2256
<211> 908
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(908)
<223> n = A,T,C or G

<400> 2256
nctaatcctt tgnaactnct tgttcttttt gcaggatccc tnnnnncnaa ttnnnnnntn 60
tgagccatgc gagcagctcg ttttttgga gaaagaactg taacagaact gatttttcng 120
caccagaacc ctcagcagtt gtctgccaat ctatgggccg ctgacagggc tcgaggatgc 180
cagtttttag ggccagctat gcaagaagag gcctngaagc tggtgttact ggcattagaa 240
natggntctg ccctcncaag gaaagntctg gtactnttng ttgtgcanag actagaacca 300
agatttncct caggcatcaa aaacaagtat tggncatgtn gtgcaaccac tgtatcganc 360
ttctttgttt taaggttacc aaaaanagat gaanactctt ccctaatgca gctgaaggag 420
gaatttcnga gttaatgang cattacgcan agaacatgat gcccaaattg ttcatattgg 480
ccatgngaag cngggactcc cgtattttca ccctgaacag cgggtccttc tcntttggta 540
tgggggacnt tgnnctcata aaatcacaca atngccgctt ttatcattgc ataaanggtn 600
tgtgaaaatt tagaagaagn ccngaaggtt cctatcattc ggcntggtna cnattcgaaa 660
gaagtaatta ananatattt cntanaagna agttcttatt accnccaaaa nccagctcgg 720
gaagaanttc cctnatgntt tttttaaaaa tgncnannaa cttctnttat tnaaatataa 780
tcccnntant ctcccctctt taatttttnc tacccttggc caaaaaatta aaanggggnt 840
ggccaacngg ggggaaccca nnntnntnan acaaaanatc nnnttnattc ctccaccccct 900
tttaaaaa 908

<210> 2257
<211> 757
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(757)
<223> n = A,T,C or G

<400> 2257
ttanncnnnn ctnngctngc tgcctgcagg ncgactntnn angatnnnnn nnnnccgagc 60
tcgaattcgc cctatagtga gtcgtattac aattcactgg cccgtcgttt tacaacgtcg 120
tgactgggaa aaccctggcg ttacccaact taatcgcctt gcagcacatc ccccttcgc 180
cagctggcgt aatagcgaag aggcccgcac cgatcgccct tcccaacagt tgcgcagcct 240
gaatggcgaa tggacgcgcc ctgtagcggc gcattaagcg cggcgggtgt ggtggttacg 300
cgcagcgtga ccgctacact tgccagcgcc ctagcgcccg ctcctttcgc tttcttccct 360
tcctttctcg ccacgttcgc cggctttccc cgtcaagctc taaatcgggg gctcccttta 420
gggttccgat ttaatgcttt acggcacctc gaccccaaaa aacttgatta gggtgatggt 480
cacgtagtgg gccatcgcct gatagacggt tttcgccttt gacgttggag tccacgttct 540
ttaatagtgg actcttggtc caaactggaa caacactcaa cctatctcgg ctattctttt 600
gatttataag ggattttgcc ganttcggct attggttaaa aatgactgat taacaaaatt 660
aacgcgaatt tacaaatatn acgcttacaa ttnctgatgc ggatttctcc taccattgnc 720
ggatttacac ggantgggca ctctaataca attgntn 757

<210> 2258
<211> 794
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(794)
<223> n = A,T,C or G

<400> 2258
ctgatnctat cagctcttgt tctttttgca ngannnntnn nntcgccctn nnaaactgaa 60
gaaaattcta aacgaaatgg caaaaagaaa attcattttt ttctctctgc tctgaagaac 120
ccttgttata acgtgtttat agcatctttg gtagatggag agagatcttt tatgacaaag 180
agtgtgatac aatttttta atgcatatag ggcattgttc ttcctagagc atatttacat 240
aaattatctc atttggaaaa cacaacaacc ttatacttgt gtctgcattc gcttgtgcat 300
tttaaaggtc ggaagaaatt gaatcttttc aagagtcttt ctgagaagtc agtaactttc 360
agaatacatg tcttaccttt aaagatgatg ttacggatgg taacgtgtga ggcttcattg 420
tgaaatttaa ttgtgataaa ccagtttaat ttccttcagc atctctttca gggctacctg 480
aaagagccat gagtaggctc ttgatctgat gcagtgtaca gtttttaatc caagggttat 540
atcaataatc cagcatatgt ttaatgaata aatctatgtt ccactggtgt ggacacctgg 600
ctctgtgtgg tcatttttatt tagactttac cagcccgtga gaaaattcat gtctatgtct 660
caggacaaga tgtgtaatca aaggtaggaa cctgtgctga gaataagaat acnaggtcta 720
aaaatgttta tttttgaatg gaagagaaga atccaaatgt aatttggatg ggccnaggca 780
ccggnggctc ncan 794

<210> 2259
<211> 1048
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(1048)
<223> n = A,T,C or G

<400> 2259
cgttgatcct ttcaagctcn ngttcttttt gcaggatccc tcgattcccc ctaccgaacn 60
ggaaaaaaat ctnaaccnna nggggcatan aaaaancnnn tttttnncnc ncgngctgnn 120
aaancccntg ggntaaccgn gtntatccnt ntngggngnn gggaaanana cttttggcca 180
ananggggga ccanttttt natgnctnnt ngggcntggt cctccctaaa ccntnttccn 240
taattnatct cnttnggaaa ccncaccacc cttntcctgg ggtcngcatc ccctggncca 300
tttnaagggc cgggaagaaa attggannen nnnnacncag cctttctggn naagtcnngt 360
aacctttca agaaatccat ggtcttancc tttaaaagga atgaatgggt tncnggatgg 420
gnnaaccggt ggtggaaggg cctttcattt nggggaaaaa atttaaaatt tggnggaatn 480
aaaaaccccg ggttttnaaa attttncccc tttcangcca nttcttcttt tttccaaggg 540
ggcccttanc cccttgggaa aaaagggaaa gcccccccttg gganggttta gggggccctt 600
cctttggggn aanccntngg gaatggnccn aagtngggta aaccccaagg nttttttttt 660
naaaaatncc cccaangggg gggtttttan ttatttcccn aattnaaaat ttccccccag 720
ncccatttat tnggtttttt aaaaangggn aaaatnaaaa aattccttat tggggnttnc 780
ccccccctggg gttnggggggg gggancccnc ccctnggggc cttccttggg ngggnggggg 840
gcccaatttt ttttaanttt taagnaccct tttttacccc nagcccccgg nggaagnaaa 900
aaaaaatccc aanggggcct taattgggcc ctnccanggg aaccaaaggn aatgggnggt 960
tnaaattccc aaaaaggtta aggggaagcc cttgggnggn cccttggngg gaaaattaaa 1020
ggaaanttcc cccggggtct ttaaaaan 1048

<210> 2260
<211> 978
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(978)
<223> n = A,T,C or G

<400> 2260
ntntnatcct ttgcaacnct ggctcttttt gcnggatccc atccgattcn aattcggcac 60
gaggcacctg tagtcccanc tactnttttn gttgaggcaa gaaaaataan ttgaacccag 120
aaggcnaagg ttgaantgac tngatntnac cccaatggca nttancagcc tgggncanaa 180
aggaancgna aattttgcta aaaaaaaaaa aatnaatngg gctttctttc antcctcttg 240
gattcacatt ctcttnggta aaaaaagctt taaancntct ttttccgggg gttcccgggg 300
tttggggccc gttccccggt gggaaatttc ttggggtngg gnncttggcc ttgggggggt 360
cttcttggga aaaatggttg gcnttgcnng nccagnngnn ncnctanaaa acccctggaa 420
caattgccaa gtttttttccc cntngccttg aanggggggc ccccttaang ggggangttc 480
aacaacccaa aagggggtcc ccccaacgaa ngaaaaaagt tttgttgggc caattncccc 540
ccgggggggg ccccgggaaa aaaaaaaanc ccccccggtg gtcttttctt ggaagggaag 600
tttccgtncc cttttgtngt nccccccttgc caaaaacatt tttnttcttt gccgnaacct 660
ttttgnccct tccaaaccaa ttggtaattg gtaacctttt tcccttggca agccctggta 720
aaaaaacgcc ctctttaacc nggtttaaan tnattgttgg tttccgcttt tgcttnaaan 780
naantattaa accatnnngc ccaggcccga aggttggggg caaccncctt gttaatncca 840
aacantttttt gggaaggctt naaaggtngg gaangaatca actttggggn cccaaggggg 900
ttgcaaagaa acaancccttg ggcnaacaat taaccgaaga acccccattg tnttaaaaaa 960
aattnttttt aaatttan 978

<210> 2261
<211> 906
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (1)...(906)
<223> n = A,T,C or G

<400> 2261
ncnaaacctt tgnaactncn tgntcttttt gcaggatnnn ntnnnnnang aantcgnnnn 60
cgaggctgct caaggattgc agggatttnt gcaagtggaa cagccctcgg naacctccnn 120
ttttgngcac gctccaggtc ccagtttcta tggcaaccat accggcaaat tgggctccgc 180
aatggttcct cctggaaaaa ccgcgatttt ggttcccgcg gacgtctcta tggnttcgac 240
agccnaaaan gaacaaaacg gcatttccgg gaagatggcg gngcacaagt caggtccggc 300
acatgtttcc ncggagcgga cccagcaatg acggtaaggg gctcccttcc cccgaacggt 360
ggnagtcgga gcccgggctt attagcaaac cgtgaganga gcagagtatt nttacccaac 420
cggcactggn gtagganggc tggaatttag ccctcaaana gcaaggaacc cnaggaaagg 480
gcaancccgg ctctttangg actcgctgtn aanacgaann tgnacctggg gccaccttct 540
gaaaaacanc agattgnact gnncaagggg gaccagtgcc ccgaaactgt gaantcacna 600
nggtttcaan aaaagacctg ggggccgcca caagcntttn tttnccccaa gtttatcccn 660
cccngaaaaa attccccgnt aaaaaggccc atttcnctta aanctatatg ccccaanttc 720
annctttaaa acaanaanan aaccaaattg ganatnggtn tttcctggaa ctttctgggc 780
cccccgcctt accgtgcctt cgggantggn gcgggaaata aaaaacccgg gcctcttnaa 840
actttcaang ggcaatggtn anatttccaa attnaatgcc aaaaaagggn ttnnngcccg 900
cctttc 906

<210> 2262
<211> 808
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(808)
<223> n = A,T,C or G

<400> 2262
acccatnnnn ncgnnaannn nnnnaccaaa ggaaancnct aagccatttt ctctgccctc 60
tagaagctta taatgtactt tcctatnaca nagcnnaata aaaacatgaa acctataaat 120
gggaatgcca taaagtattt tnatctctac aggnccatcc atgcagaggg catntattgg 180
gtgactgcag tactgcaaaa ggttgcaaag gaaatggaag atctggtccc tgtaggttgg 240
gagtttacaa tctaattaga aatacaaggc atatataccg ngaaaaaact agaatcccca 300
gctgtaagca aaaggatgga gtaggtggga gcatttttt cataaagaga gcnttgtcct 360
gnatgattgg tgaggacagg anaagcaagt tcagtaccaa tcaaggcaag agcacctata 420
tgtatccctg ctctatagaa tgatgtaaca nggccctcat tgtcacttgg ctgaaagtgt 480
cagctctgcc accttacaaa cctggttttg aacctgnggc acatttttaa cctaagaaag 540
ggaatacagg tttgnctccg tgaaggnggt tggncnagtt ccaaatgaaa attaccaaac 600
cgtgaaaacc tcggtgaaag cttcaaatga atgtccnatn ccatnggagt ccctcaattg 660
taccaaactg gccccttttct gggtaancct tnaaagttcc cttccccaag cctntaaacc 720
tggnaaaaag ggcanggacc caaggccccg attggnatcc ntcaatgttt cncnaacngn 780
ttaaccaaaa ggngttcnnt ntngggnn 808

<210> 2263
<211> 976
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(976)
<223> n = A,T,C or G

<400> 2263
gncnntttga aaccntttnc aactncntgc tcttttgcng gatcccccna tncctnttcg 60
nntannnggg gggaacctan ntggctcccc cnccggcttt nttttcccnt natggancaa 120
ttggaaggaa accnnntacc nntnttccna agggcccagc aacctgnanc cctntcatgc 180
ctnaatggtc tggggttttg ccccnaccng anangttttt ccngcagaaa agaacccntt 240
ggggagccan cattagcccc aangatggac caaaaccacc tggggcctgc ccttggntcc 300
ttgccccctc ccttgcttta ctncattatt gccaaaaaac cccaantggg cccatttgtn 360
gncccccntna nattnccaaa cctaccccag ggggagcntt gncctggcca nngcnnnnnn 420
ngnttttant aaaaaacccc aaagtgncct tnccnccngg gaaaaaaaat cttgtgggcc 480
tttgggcccc canagangaa acccaagtgg ggaanaaatg gtgggggttn tnccttgtgg 540
gggggatntc ggagcactcc caagtccccc aattgccccc agtccccctt cttctttnca 600
ngtggggaag ctcacttgtc tttccccagc agccacctgn ccttcttcct tcttctaacc 660
attccctctt tctttgcttc tttccgcccc ggttccttca cttaagcccg ttttatttgg 720
ggggtccatt caagcttnnc cancccccntg ggccttccca agtccattcg ttncccacan 780
taggggggatt ccaaccccna accgggtttc ccattgcccg gcnttcgccc nccaannttt 840
tcaaggtncc ccnaggcccg gattcnangg accccancca angcccactn gggcccttac 900
cagnngcccc tttccattnc ccnggggggan ttttaattcc ccccccccct tcnntaagga 960
nccacctctt ngcccg 976

<210> 2264
<211> 755
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(755)
<223> n = A,T,C or G

<400> 2264
ncgagatann nnaggaccta gaggcttccc accagcacag tagccctaat gagcaattga 60
agaaaccagt aaccgtgtcc aaaggcacag caactgagcc tctcatgcta atgtctgtgt 120
tttgccaaac agagagtttt ccagcagaaa gaacccatgg gagcaacata gccaagatga 180
caaacactgg gctgcctggt cctgccactc ctgcttactc atatgcaaaa accaatggcc 240
attgtgaccc agagatacaa actaccaggg agctgactgc aggcaacaat gtagaaaacc 300
aagtgcctcc acgggaaaaa tctgtggcat tggcccaaga gaaaccagtg gagaatggtg 360
ggtgtcctgt ggggattgag actccagtcc caatgcccag tcccctctct tccagtggga 420
gctcactgtc tcccagcagc actgctnctc ctctctaaca tcctctcctt gctcttcgcc 480
ggtactcact aagcgtttat tggggtcatc aagctagcag ccctggctcc agtcatcgta 540
ccaagtaggg atcaaccaac ggttccatgc agctcgccac aaatttcagt cccaagcaga 600
tcaggaccac aagccagtgg cctcagagcc ctccttccag ggatttattc ccccaccctt 660
ataaacaact tctgccgcca agcagcttgg cccgaaacac aagtcactta aggggctctc 720
caanattcac taacccaacn agggcccatt caagn 755

<210> 2265
<211> 1147
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1147)
<223> n = A,T,C or G

<400> 2265
gnagccanga acccttggg aaaanncccc cggnnnnnnt ttannaaann aaaannnnnn 60
nnnnnnnnga nagagnnaaa gggnnaggag ggcgcnnaaa gnnggccnac naagaccana 120
atttttttn tcacccaaac gcnganncaa aaagagcncn nccaggggg gattcgnant 180

nagcaanaca cgcaaggggt ggacccttttntataaaaaa ccncgaanca naacgccacg 240
nggngncnng aaaanganac gngcccacnc ncnnananng agnngcccac gnncccnaat 300
nncagncnnc gggaccgacc cagccaanga nccnncncnn gnaaccccccnganncnccc 360
cgaannncga aannacnngg ccacaacaag accnanngna gcagcgannc angccccaag 420
nggcncnaac ncnccaaacc nccccacnac nccngaccnn nnaacccnca ncnaaaaana 480
gcccnacnng nggaccccaa nnacccacac ccagacaanc ncacaannca cggccccacg 540
tccccgncnc aagnncngnn cccnccnagc cnnngncccc nnaancancn aanagacccc 600
nanccncncc acnaaggaaa cgnncnngan cccnaaagcn caaacngnaa cacacacccn 660
accnngcgnc ncgggtnagc anaccnncnc ccncgcaccn cacaagagta ccgcaagcgn 720
anngnnanac ngacanccag caaanccnaa cnnngccccc cnnagaaaag ncngacncnc 780
acccaagnnn canccgacaa cngnnanacc cccnnncgac aacgacancc gcccacagca 840
annncnagcg anccaccnaa agcnnnngnn acggngncaa aaaacancgn gngcnacacn 900
ngatntagca aacaanccca aaggnncacc nccgacgaga ccacnangna cagangcagc 960
gannnccnnc cccgnagngn ccnaaagcna cnnangccng aaacgcggna gggnnngngc 1020
anggcacgnc ccganncaac acacgacccc anagnacgcn agnnngncnc nngcnganca 1080
cnnnacccan ccacannggg gcgagcgncg agccagcgac gagtagncna caaacgnccn 1140
nccggcn 1147

<210> 2266
<211> 992
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(992)
<223> n = A,T,C or G

<400> 2266
tcgtgaccct ttgcaanctc ctngnnctttntngcaggaan cnnnnnnnnn nngnangtnn 60
ggnnnagagg aaaaaaacca ntnnaataga aannttatag gctcccgcct caggnaancn 120
gggctggnnt ttaattaagg aanaaagccg attctactga ctgacgtatc cccctgctgn 180
taanaatccc aaccacacac tttcacacac tattccaggt tctggccctg aatgacccnc 240
agctgangat natttgncat cncnccactt ctnttttttan cancnccaaa nancatttcc 300
aaanaaaacg tttttagctt tttaacngcg attcaccact aagaaantgg cncngngaac 360
agtccacaga gcttattcaa attncaccca ttctacatgc acncntttgg tgncgcctgt 420
gannatntan nctnnatcnc atttttanca ccctgcgnag aacggnanna aaancnggna 480
aacntacagc caaganacca gtagccnggc tccggccatc acnnnagnct ttgcccatac 540
cnatccctnt tanaggacca tntttntacc ntctngcncn ccccanttcc ttaanccnnt 600
gggaaaccna actnaaactg gnnccntnca anaaatcntt ttttantttc naaagaantc 660
tttaccntta aaatncngga ntcncgnaaa ngntttnaac ccttcctggn naaaangggc 720
cctncntcca cntcccaatn ttccaccntt gcangaanaa cnaaccnana ggctnatacn 780
ctnccaattg gntatatnta antntnagcn ataaancccn cccccntttt atactcnggn 840
tannancaca agntacnctn ttccnntaag gntnangccn aaacattacc ctanagggnc 900
acanctaang nacntattct tcccgccnaa tgcgccataa aaacccctct ccccccnttg 960
ggaaacnnat acttnggggc nggntnttcc cg 992

<210> 2267
<211> 976
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(976)
<223> n = A,T,C or G

<400> 2267

gnttgaaaac ntatacaact acttgnnnnt tttngcagga tcccanngnn nngggagann 60
gnnnagccac ngnccnnngg ncccngnatt tttnnncngc nnaaggccnc tcccngnggn 120
tttanttcga nngggnngga naacatttnc acccaaaggc ccaggangcn tnntagncat 180
ttgggcccaa aacnnacacn ttcngattnt acagcgctna ttannannaa ngatnaanat 240
gancaaaagc annnngtcaa acnaattagt accggcccgn ccgcngtggn tnacncccgn 300
aaccccaaca gttcgggang cccaggcggn cgaatcacna ggtcntgagt tccnnaancc 360
gncncgaccn atatgggtga aacccccccg ccccnnctan aaaaaacang aanataancc 420
cgggnagngn ctggccnccc gccncgtagn acctangcta actcctggna ggctaanggt 480
cagngagaaa tccgctncga atcccggnga gggagnganc gcccgcaagt gangtcccaa 540
gcacccgncc caactgncaa catctcnncc cntgggggag nancannnac ccncagcaat 600
ttcctccccc ccccancaaa aaaaananna aancggaaat cnntgcanaa acanantccn 660
cgaaggccnn taaacccnct cccccganac nccaatttna nnacacacgc ancccccccat 720
atcccctana ancttntctc nttaccccctc aacaagaaaa aaacnccnct ctntnaanca 780
nnccccncca cgggnanccc aacaanntnt tccnaaattt ncgcggggca accngcaagn 840
aatanngann gaaccctacn nttggangna tnnnccntgg gaccttcggg gganctatcg 900
ctccncanan cacacgncac cntaatanaa aaaannaaaa ctccgcctac accatncggn 960
ggagaacacc actnng 976

<210> 2268
<211> 803
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(803)
<223> n = A,T,C or G

<400> 2268
ngngnnnnnn cnncnncnnn nctccctgnt taccaaagac actcacatct ttaattttgg 60
tgtttcgatg gaagcacagg atataattct ctgcctcctt aaattgttga acgtgctgca 120
aagtttgaca tttagaaata gaactagggc tgtggggctt tgttccgtct ttagggcttt 180
gttctctgcc cttgcgtaca cactcgtgtg catgtgtgag tgcatattac acaggtgcat 240
gggataaccc tactctttta aggcagtatg gaagtagcaa agctgctgtc tttgtctttt 300
cgggtgttgc tggtctcctc tgtcagcacc atcaaggctt tgctgctcat tgcactcatc 360
cagcagggtg ctatcaggaa gaaggagaat gagttccaaa aataaggtaa cttattcagg 420
cttcacattt gtctctatgt tgggaatgat gctactctcc ctgcctgcct tgtggaatgg 480
ttataaanat anaatgagag gaagctcnga angtgtnatc caangtgttn cacccntcat 540
naaacatnnt cangnattgc aaacaaatgg acttacgagt caacctgact gaagggcaga 600
aanttccaac ncctatttta ataagggttc gccctgnngt taatttggat cccacntttc 660
ntcattataa ataanaaggt ggggnttgaa tnacaancat taaggggctg gcgaataaac 720
aatttaaaat tcntggtcaa cctttatgtt aaaagaaatc ttaattggaa aatnttattg 780
nttgccacca ttaacaaggg ncc 803

<210> 2269
<211> 935
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(935)
<223> n = A,T,C or G

<400> 2269
agaaccttga aancccnncn ntgcngaccc acgancnaat cgnccnangg tnaaagnaaa 60
ccaaccaggg gttttttttga naaaccaana aggaaaggga aggcgggngg agggcnaaac 120
ggccaanccg cttgtacnna ananccccggg ggagggaaaa aaaccggnna anccagtnna 180

aagnnccccg ggggccgaaa aggnatgccg ggaagaaacc cnacccaaca naanaaccca 240
tnggaaangc ccgccccnaa aangggacct ggaaaccanc aagcaancgg ncctggaaaa 300
aaanggcccn ggaccangna aaatgggnac caacngncca aaaaaggggn ccccggnaaa 360
annntnaaaag cccanaaagg taaggganggn naagggaggc naagaaaacc aaacccacgg 420
gggggggaaaa agnntnccca agccaaacca agaanggaan ggcctttngg agcccnccnt 480
ggcccccana ccaanccctn gnaagngggg aatgncaggg cccccacann gggnggggga 540
aanaaggccc canccgaagc ccnnnnnctc ccaactgggc ctggcccctc cnctgggggg 600
gaaccaaaac aacccgaaaa agaaacnnca nccacccccg gncanggggn canaaggggg 660
gncacccngn acaaaaaccn nncnnggggtc ncaagngggg canggantcc cccaaaggga 720
aaccccagga cccctataaa ncagnaaaca ancccnaagt ttngaantgn nggggggacnc 780
aaaaaaggga aaaanaaaaa aaaaaaaaaa aaaaaacccc cannccccnn aaaaaccaaa 840
aggggnggcn gcannaccgg gggaaccccg acnngganaa ggaaccnccn ggangaagaa 900
tggggcnaan cccccacccn cnaaggccng gggan 935

<210> 2270
<211> 656
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(656)
<223> n = A,T,C or G

<400> 2270
ccccnctngc cttgnccgnt tatcnaggat ctttngcatn ncatctgtcn ctttngctgt 60
nttgtaaatc ngttaccgtt atagtacctg gtctgaaagg ttgctggatg atcctaccaa 120
cagagaccat tgaatgccgn tcaaaatgga ctgaagcatc agcaatgtct gaaaaaaggc 180
ctgacngtaa tgtacatgtc aaatggcccg taatttaagc cagagtagaa gtaagtagaa 240
gaataaacat ggggaaagtt ccagcaacan aggaggcttt gagcttttgc tcttcatctt 300
gagtggatgt tgttctcagg tggtaatagg ccatcgagct ttctccactg gctgcctctc 360
tggggaacaa ataacccgaa aagatctcag caccctggtt ggtacatagg tggtcagttg 420
atttatactt cctgggtttc agtgntgctt gaattttcta aatggaaaca cagtaccttt 480
ataatcagaa aacaatcccg agtttttgat ttgaggggtg ttgtaaaaag ntaaaaaaaa 540
aaaaaaaaaa aaaactccgc cctttnaaac ttttgggggg tcgttttccg tnnatccccn 600
ccntgttagg aatcctttgg tgagtttggg nccancccccc ccnccttaac nnnntt 656

<210> 2271
<211> 671
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(671)
<223> n = A,T,C or G

<400> 2271
ntactcnaat agntnantaa aacctnaact ngaatatntn aaatattgag caagcctngc 60
tgttgtagag nagcancctg gtctaacccg tccaaaaaca atgttagaga cattaggaat 120
caggttttga aaatcttttt ttccgattta tttgtnattt acataccaaa aaaccacatt 180
aaaatagtcc tcccttcaac atggctatct tttttcaagt tttatatgca tagctctctc 240
agcacttgaa tggaaaaact gttacagcat ttgggagttg tttttctttt agacatttgc 300
agatcttatc tcaaggtgac taggaaccca gagctaagta tctgtgaggc aatctctgcg 360
aacgctgaac ttacctagtt ggtttctatg aaatatgtag aatgcactgc agtagccatt 420
gnaagaaggt actataccgg ttttttgggg cttggtgntg ttgtttggtc tgagaatgta 480
ctgccaaccc ctcttttata aganagaact gattttgata catattttaa aatatgatag 540
tacagagtta atggatgtta aaaatttatt tctttgnttt ggtaagtaga ttaaatcgag 600

aatcatataa tcagtncatt tgagaattat ataccnggat ataataatac tggacnaanc 660
atttgncatc t 671

<210> 2272
<211> 758
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(758)
<223> n = A,T,C or G

<400> 2272
gttattcgtt actcagcttg ctgcctgcng gtcgantctn atngatncna nttccgcacg 60
aggtgaaagc nnngcctcac gatccttctg acctttgggg ttttaagcag gaggtgtcag 120
aaaagttacc acaggggcca gaacttccac cttgtggtca attgtttcaa gtgtgtgacc 180
atacttgtca agaaagtcaa gtcttaccag ataactgaaa aacagctcca agttctactg 240
gcctatgctg aggaggacat ttatgatact tcaagacaag ccactgcctt tggtcttctg 300
aaggcaattt tatcaagaaa gctgttggtc ccagaaatcg atgaggtcat gcggaaagta 360
tccaagttgg cagtctctgc acaaagcgaa cctgccaggg tccagtgtag acaggttttt 420
ctgaaatata ttcttgacta tcccctgggt gacaaattga gaccaaactt ggaattcatg 480
ctcgctcaac tgaattacga acatgagacc gggagagagt ccaccttgga aatgatcgcc 540
tatctctttg acacgttccc tcaggggctg ctccatgaga actgcggaat gtctttatcc 600
ctctttgcta atgacgatca atgatgactc tgccacgtgc aaaaagatgg catccatgac 660
aatcaaagtc cctacttggt aaaatcacct cgagaaaaaa gaatggctgt ttgatatngg 720
taccacttng gttgggagca aaaaaccctt aaatagat 758

<210> 2273
<211> 731
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(731)
<223> n = A,T,C or G

<400> 2273
cttttgaccc ntttaacaac cacactctat ggtgantgga attnnnaaat naaaaagnna 60
ntaaatggat ttggccaccn taaancacca nantttgaaa tggttgantg agggccggag 120
gccntgatna aangggccct ttgnaanggg tnggggngga agggaaannt tnccgggngg 180
gngtnacctg tnggncttcc aggncanttt ttggccntnc anccntncct gcaggatgnt 240
caaaagnnnc ggcccctnnt gggaaggtta aaactgganc aaacctttnc caagggganc 300
attttcaccg tttacctgga agtctttttt tcccacctgg cttaatcagg ttncaatttt 360
caagggtaaa caactaccac ttncaggata ngggaagtgg tgggtggaat aaganaacca 420
tgataccctg gaggaagggg aagaaaccac aaancatttt tccttactgg aaaaaatang 480
ggtggacatg tcagtcaaaa ttcttgatca acttggaacc ttgagttttc cagttaaatt 540
ccattncact anggagggag ttttctatca aaatcctgcc agatttgaag aanctggttt 600
attagaacca cctgtcgctt ttcaaagctg cttaaaaata agatctgcct cnccctagag 660
atgatcatgg gcctggtggg gccaaaaatc ccggngtttt ttaaccctnt gcgattctna 720
ttgcagtaaa a 731

<210> 2274
<211> 867
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(867)
<223> n = A,T,C or G

<400> 2274
tttacacgnt cgctgcactg tgaacctggg cctccgcgcc gatgccaccg gcctgtgggt 60
ctctgaaggg acccccccca atcggactgc caaattctcc ggtttgcccc gggatattat 120
agaaaattat ttgtatgaat aatgaaaata aaacacacct cgtggcaaaa aaaaaaaaaa 180
aaaaaaaaaa aaaaaaaaaa aaannccccn ngnnccntaa aaaatttggg ggggtttttt 240
nccnaaaanc ccncnctgtt nnnntttttt ggggggngnn ncnnnccccc cntnnnaann 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnna tntnccannn nnnantttnn atnnnnnnnt nnnnntnnnn nnncnnaata 420
nnttnnnnat nnannnnnnt nnnnntnntn tanttnnntn annnnnnncn nnnnnnnnnt 480
nnnnttnnnn annnnttnnn nnatcnatnn annnntnnnn nnnnnnnnnt nnanannntn 540
nnntnnnnnt nnntnntnnn nnntnnnnnn tntnnnnnta nttnncnntn natnnnnnnn 600
nannnnacnn annnatnntn ntnntnnnnn nnnanannnn tattcnnntt cnnnnnntaa 660
natnttnnnn atacnnnnnn canntanntt nnntntntnn ttnnnnttnt nnaantaant 720
nttnnnttag cannntctnt tcnnnnncnt tattntntnt tntnnatnna tntnctttgt 780
ntnatntttn tnatttnnta nnnancnntn nannncnnat nnantnttnn nnnnnannnn 840
ncattancta ttcncngtnc nanancc 867

<210> 2275
<211> 759
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(759)
<223> n = A,T,C or G

<400> 2275
tnttatncgn tcagctactt gttctttttg caggatccca tcgattcgaa ttcggcacga 60
gatttgagga tctcgacctt gtccttccag caggtgctcc caagccacct ctgggcctga 120
gaataggcat cacatgactc tgtttaatcc tccgacacag caaggatgcc gggaagcagg 180
gcaaagtggt tcaagttatc cggcagcgaa actgggtggt cgtgggaggg ctgaacacac 240
attaccgcta cattggcaag accatggatt accggggaac catgatccct agtgaagccc 300
ccttgctcca ccgccaggtc aaacttgtgg atcctatgga caggaaaccc actgagatcg 360
agtggagatt tactgaagca ggagagcggg tacgagtctc cacacgatca gggagaatta 420
tccctaaacc cgaatttccc agagctgatg gcatcgtccc tgaaacgtgg attgatggcc 480
ccaaagacac atcagtggaa gatgctttag aaagaaccta tgtgccctgt ctaaagacac 540
tgcangagga ggtgatggag gccatgggga tcaaggagac ccggaaatac aagaaggtct 600
attggtattt gacctggggc anaacaactt ccttcccaac ttctgtccca ccttgaagct 660
gaggcacttn ttttcagatg cccaataaag agcactttat gagtcaaaaa aaaaaaaaaa 720
aaaaaaaaaa aactcgagcc ttttanaact atngtgggg 759

<210> 2276
<211> 758
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(758)
<223> n = A,T,C or G

<400> 2276

gggccgggtc tgccntcata gacatgacca actgtccttc tcctcgatca cagaccaggc 60
agctggcatg aaagaggacc nnaagcaaaa tgagcctttt gtggccaccc agtcatctgc 120
ctgcgtggat ggccctgcaa accattgagc gtaggatntg ttgcattatg ctagagcacc 180
agggncaggg tgcacggaag angctcaagt atgnttattn cttatcacaa tgcanaagcc 240
gaaaattatg tcnctttaag aaatacctac ctgtttgcna tgtcntatta aaaaacnaca 300
aanaaagaca aatggaacan agaaanctgt gaccccagca ggatgncnaa tatgtgagga 360
aatganatgc ccacctaaaa tcatatgtgc aanattatct cgaccttcca tangaggaga 420
atacttgnan cngtatgctg cctgtngtta naagcaaatt ttatactttt aactggaaac 480
tntggggttt tgcatttaat catttaactg acggctaaat agccancatt tnttttttag 540
aanctnaaaa aaangcccta gnnctgtngn tttntaaatn ggnttatgcn nactcggnnc 600
tgncatgttc ccccccccaa aatgaatttn ntttttgtnc gaaacctang gnnnacctca 660
ctnntttnta atcncctang tannectncn ctnttncctc cntnttaaag nccnaaataa 720
ttccttnttn cnnngnnnnc ncnngcttta cggcncca 758

<210> 2277
<211> 1212
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1212)
<223> n = A,T,C or G

<400> 2277
ngncntgatn gaacgtnacn gantgnngnt acgtatatgt tngatntgtg atnntgangt 60
atntnnanag ngtatgtgnt gnttatgcga tnttattata nccnccnnta tgntagtagt 120
aacnannata nntagagtan ttgngnnnat ngggnnggng agngtatatt tgagtcatat 180
gtnnnatgaa ncagaaacat ctncnanant ntacgcatgn nnntngngnn cngagccnnt 240
atgatanntg atgntnacga ntcgtanttn ngatntantc cncgtntngg ttnctgtcga 300
nnccnagtna nnttanatgn cccgnnngcn attaacnnta ntnnnggnnt angtnngtgc 360
gngnagtnta ncgnnaanta cnagnanann atnnaggcnn tattnnctaa nnnacgnnnt 420
ngnntttatt nantgtgtna nnatggnagg aggagtacnn nnnatnattg cngtnngntn 480
gangtnntag anatgtntnt ncnccacnnt attgcntang ntgnanncgt tnantagagt 540
anacntncgc agaaggtacg canctnattt antncangac aatgtngggc gtcncgntaa 600
tntngnntan ganntccgag tnttgtanng ancgtcatac cnatngnngt nngcntntaa 660
nntgatgcng atgacncncg tncagtnnnt aatatangan nantcngtag ggtcnctatn 720
tngttnatan tgtnagacnc acantataga gngantatac tgaaatnntg gntngagana 780
natatatnag nntgtgttat ntggcnnnat ngncatatat atgatagnnt gcgatnacta 840
cgnagtgtgg gaacgctaca cgcgtaggnt tgcgtcnata tgnntnnctc gcgnangtgt 900
nttttctcgc tagnatngtg agtgaatgtt ncncananna anggataatn tntngtancc 960
cagcatntga cnangangat agataccgca cagtatntat ncntgtatgt gtgtgtnctn 1020
gngcntantg atcgcnagta tntngcntct nactactaan nnatnactnc gncgtacnca 1080
ggganannтn cgaaagngcg cacnntatng aacgntanaa cgtgcngant agatgtntcg 1140
acnnncncat aggncntgat gtacaagtga tcanntgaan nngtgganнc nccatgntnn 1200
atnagnntng gt 1212

<210> 2278
<211> 771
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(771)
<223> n = A,T,C or G

<400> 2278

caccncgntc gantcggcac gagatgaacc atctgctttt aatgattttc agaggccagc 60
catttattac atgatgtcat tcagtgattg gtatgagatg caagatgctg gaattacttc 120
agactcaatg atgaagaact tcttctttgt gccttcttgc attcagctga gccaagaaga 180
cagcttttcc gctgaagctt aaacaggcat taacgcttct ttagatctga agttgcaggt 240
taagcttgtc tggtcaacat tccagtgtgg aaaaataatt taaacaatct tattctctta 300
attcttttgg caacaaaaac tattagtaat agctatttgg gaccagacaa aatcagcttt 360
catctataat tcattgggga taatgggaga tttaagataa tgtatccaga tttaaaccta 420
ccagtttgcc tacccccttan gcgtttaaaa taaaatatgc aacaaaatgg atgacttaat 480
tggagatggg aagcccatta attgggttcc ccattaaatc ggttacatac aaagaacaca 540
gtttttatac taaaggattt tgnggttaaa ggccttgtna aaggttcatg tcttttcacc 600
cagaattttt caaaatggtt agaagaacna gnnggggact ttctttaana ataaccggtt 660
tangtggnat tttaagaaaa gnggggtnaaa tttgnggcct tttgaacctg ggagttttna 720
ataaaatgnn naaaaatncc attcataanc aatttnggtn gancctaann g 771

<210> 2279
<211> 733
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(733)
<223> n = A,T,C or G

<400> 2279
accncgntcg anttcggcac gaggggtggc ctgtccagct cagcatcctt ggaagtggcc 60
acgtacacct tcctccagca gctctgtcca gactcgggca caatagctgc ccgcgcccag 120
gtgtgtcagc aggccgagca cagcttcgca gggatgccct gtggcatcat ggaccagttc 180
atctcactta tgggacagaa aggccacgcg ctgctcattg actgcaggtc cttggagacc 240
agcctggtgc cactctcgga ccccaagctg gccgtgctca tcaccaactc taatgtccgc 300
cactccctgg cctccagcga gtaccctgtg cggcggcgcc aatgtgaaga agtggcccgg 360
gcgctgggca aggaaagcct ccgggaggta caactggaag agctagagct gncagggacc 420
tggtgagcaa agagggcttc cggcgggccc ggcacgttgg tgggggagaa tncggcgcac 480
ggcccaagca agcggccgnc cttgagacgt ggcgacnaca gagcctttgg ccgcctcatt 540
ggtggagaac caccgntcan ctcananacg actatgaagn gaactngcca aaacttgacc 600
aacttgtgga aggttgccct tgcttgtgcc nngggtttat ggnaagcccc nttaacnggc 660
ngtggnttcn gtgnntnanc ggnananttn ttggangcct ccctttttcc aacccntngg 720
ganaatcaag aat 733

<210> 2280
<211> 734
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(734)
<223> n = A,T,C or G

<400> 2280
ccntcgnatc gancggcacg agaaagtgaa tatcgagttg gtaacgccaa gaataccaga 60
aattctggaa atccatgaag cagcagcata agtggtttgc ctctttctcc agcagcaaca 120
tagtgaaatc ttaaccctga atccttgtat tcttggcgtt accaactgag agaatttaaa 180
agtgaatatc gagttgtagc actggatttg agaggttatg gagaaacaga tgctcccatt 240
catcgacaga attataaatt ggattgtcta attacagata taaaggatat tttagattct 300
ttagggtata gcaaatgtgt tcttattggc catgactggg ggggcatgat tgcttggcta 360
attgccatct gttatcctga aatggtgatg aagcttattg ttattaactt ccctcatcca 420
aatgtattta cagaatatat tttacgacac cctgctcagc tgttgaaatc cagttattat 480

tacttcttcc aaataccatg gttcccagaa tttatgttct caataaatgg atttcaaggg 540
tttgaaacat ctgtttacca gtcacagcac tggcattgga agaaaaggat gcccattaac 600
nacagaagga tcttgaagct tatatttatg nctttttctc acctggagca ttaagtggcc 660
caattnacca ttacccgaaa tatcttcagc ttggctggcc tntcaaacat taaaatngng 720
gcccacttcc ncnt 734

<210> 2281
<211> 766
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(766)
<223> n = A,T,C or G

<400> 2281
accncgatcg aatcggcacg aggtggaaga agaaaagntt cctacacanc tgagcaggca 60
tattaagttt ggtcngaaat ncatgtggag tgtgctcgat tttctccaga tggtcagtat 120
ttggtcactg ggtctgttga tggattcatt gaagtatgga actttactac tggaaaaatc 180
agaaaggatc ttaagtacca ggcccaagat aactttatga tgatggatga tgctgtcctc 240
tgcatgtgtt tcagcagaga tacagaaatg ttagcaactg gggcccaaga tggaaaaatc 300
aaggtgtgga agattcagag tggacaatgt ttaaggagat ttgagagggc acacagtaag 360
ggtgtcacct gtctaagctt ttctaaggat agcagtcaga tccttagtgc ttcttttgac 420
cagacaatta gaattcatgg tttaaaatct gggaaaaccc tgaaggaatt tcnnggccct 480
tcctcctttg ttaacgaagc cacatttaca caagatggac attaccttat taagtgcatc 540
ctctgatggc actgtaaaga tcttggaata tgaaaacccc cagaatggtn caaaatacct 600
ttnaaatccc tgggccagcn cccgcaaggg acaagatatt tacccgncca ancaggnggg 660
gaatctaact ttccttaaaa acccttggac cacttttgtg ggtggtgcaa ccaanaanca 720
aaaaccccgg nggggtcatt ncatgaacca tgccangggg gccana 766

<210> 2282
<211> 1226
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1226)
<223> n = A,T,C or G

<400> 2282
aagaacggnn tttnaangnn tntttntntt nangganant gtagtntaaa ttcatttntt 60
aattngaacg acnccgntnc nacngtatct tgaattangg gtnggtggaa ggcncccatg 120
tcnacanatn tnacatatat nttatattnn canntngaca natntaattn tttncangct 180
gaacnatcgg gggggggggng agnngatcct atctcgttan tggtatgant tnantcgcgn 240
cnatcnntct ccgnatattt aatntttata nttngatcgt tgganngang natntacnat 300
atnatatnga ntntgtacca ttnntnacga tcnaatgtnc ttannnctna antttcncnc 360
gncnggncat anggntcnnt nannnncntg tnnantccgc aatgatagnt atatgntnnn 420
naanntgnng ncannntnng naccatnctt ncnnggtttg ngcgcntant tanncananc 480
ncatnggant ntatnananc ccnctgggnn ntntaaaagn tatangccna nntntncnng 540
ctnantnggt tgnncnatnn nnnnanttnn aantaacngg gnatanntcg ctgcactcga 600
tttannccnc cgnnnantna ntgnnccncn tnnntnnngc aangatnaca natgagtnnn 660
agnnnnngtn nntatttgna caatntncgt ncgacgcngn ngatcntnta ttntgacata 720
tgaggnngca anttatgcgc agntnttcca ncnatangat attcgnatna acatngtggt 780
gtatgcnana tcncccnang ananntcgtt nntatntann tnngctacac ggncanttnt 840
nacataccca tcnnnannat nnnnccncnn nacgntngcn agtntcgaac acatctgcgn 900
ggttaancgt ngagacnctn ncgnnataga ntaattagga ntgctcaatc atcngcactn 960

tatgngcgta cgaacgtatn tgtatatntg agtnatatgt gcgatatgcg attgttntna 1020
tatnccnacn tgatcatntg tatgagtatc nanngtngnc ccgatatgan gnggngttng 1080
nnaganatat cgaaatataa ngtgtntgcc gtgacngagg tcgtcgaant ncgagctcgc 1140
gtgntnggac angtgtatag ntnngcgtaa agganttgac ggngntcgca tgatgtannc 1200
tacgatntnt gagtgcnana cagagt 1226

<210> 2283
<211> 1327
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1327)
<223> n = A,T,C or G

<400> 2283
ttgggggggg ggggcnaana cccggccnnt tntaangttt ncnagaaaaa aagngaaatg 60
ggntagactc ccttttccgg agtnnaatnc acngannagt nnggcngaac gggntttgtn 120
tnaaanttta tnanacncgc cncacnccna tcagtnaata tcggccnncc ccccattnta 180
tgtaaagcag tnntatattn gtggatntna ccccccccnc ngccncntag ntgtgttatg 240
cgcatgcacg ataagtgngn gggggggngn ggtctannta tctatttnca cacncggggn 300
atgataaanc gncgtaagng gttctcactc antntgagtn gggtatataa tatatannat 360
tatccanncg tncatnanaa tggatacgcn nncgtattga ttttgnatnc accncgtnnc 420
atatnctncg gcgcaccact aggtcgtgng anctaacnna cctcacatcg cttctggtgn 480
gnctnnntna ngannegnnc gaanacttcg gatataantn annatgacag ntatncttna 540
ttngtgccca nnaanannta nncngncann tatctctngt aaatantggt annagactcg 600
nnttgatatn tancntcngt natgttcnga tctnnccatt cnaacnaggc tacttannaa 660
acccnnnnng tgannntgng tngcntntnn aannangntc ncntatgtnn ngnnnntccc 720
annnnacnan cnnatnntcc nnattatgtg ngangggtcg naaangttnt nnannnantc 780
tannagctnn ncantgannc gngcatngta cnnnangaac ntatcgnctn cnntnntgtg 840
aanttnncgc gntgacnant ncnntggtnn agcgngcnac cncttngaac tngtctnctc 900
ctaatnccct gnnngatngg ntatatnnnt tgttntcgnc ntggganngt ntattgntgt 960
gcntatctat anatgtgccc ctcgctgaga cnacgaggtt gtatnctgnn aannagntnn 1020
attgtggngt nnaatangcc tnagcnnaaa aatgtgnnna acacacnatt tntgtaacac 1080
nactcgtntn ttgtntntna ccncaanaga ngccgngggg agtntntaaa ntnncatgtn 1140
ggggtctata ctcacacngn ggnanacngt tantcangat gacgaganat ncactnggca 1200
cgtgngngaa ggncacagnt tactatgttg nnaaganana gnaagcgata tctctcctcg 1260
ncgatgtctn ataccnnngc nnccgtanat ataagngant gtaggacntn actaacgnnc 1320
cacncnt 1327

<210> 2284
<211> 734
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(734)
<223> n = A,T,C or G

<400> 2284
accnngntcg aatcggcacg acctccatga aggatatttt tggagtcgta ggagttacat 60
ctgctaacat gcttattttc attcttcctt catctcttta tttaaaaatc acagaccagg 120
atggagataa aggaactcaa agaatttggg ctgccctttt cttgggcctg ggggtgntgt 180
tctccttggt cagcattccc ttggtcatct atgactgggc ctgctcatcg agtagtgacg 240
aaggccactg aaacccgccg agaaaaagaa acatccctgt tgtctgctca gtcaagtccc 300
cacacatcag caatctctca ccacttcttt tgcaagttta cagaagcaaa cagaaatgta 360

caggatactt aaaatggaat aacttttgg ttgcaaaaca gagacatggt tctataatgc 420
ttcatgtccc tccaagattt gagatcaatt tagggattgt gaattntttt tttcaaattt 480
catacaatca tatttcccag tactttncac aatcattttt tacccatcta actctatgtt 540
ttgnggcttc ccggtctctt agaactttga aaacatgata taccaataat gntnatttat 600
tatccatccg gattctgaaa taatttttcct actggatggt tnagctcaca cttatctgna 660
ccttttttaa gaaganaaaa agantcttga attggatata tttatttcgc tttacagaaa 720
aaaatgggtt ccca 734

<210> 2285
<211> 719
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(719)
<223> n = A,T,C or G

<400> 2285
acctcgntcg attcgcacga gcccagagca ccacagccgc aggcgcccca gcaaccacag 60
cagcagcagc agcagcagcc accaccatca caacagcctc caccaacaca gcagcagcca 120
cagcagttta gaaatgataa caggcagcag ttcaattcag gtagagacca agaaaggttt 180
ggaagaagat cttttggaaa tagggtggaa aatgaccggg aacggtatgg gaaccgtaat 240
gatgatagag ataatagtaa ccgngacagg agagagtggg gaaggaggag ccctgaccgg 300
gacaggcaca gagacttgga agagagaaat agacgctcta gtgggcatcg agacagagag 360
agagattcta gagatagaga gtctcgtaga gagaaggaag aagcccgagg aaaggaaaag 420
cctgaggtga cagacagggc aggtggtaac aaaaccgttg aaccttccat tagccaagtg 480
ggaaatgtag acactgcttc agaacttgag aaggggggtgt ctgaggcttg cagtcctaaa 540
gccttctgaa gagttacctg ctgagctcct catccgttga acccgaaaag gattctggct 600
taacagcaga agctccttcg ttaganactg gaatttgtga aaatgtnaca gtgacctttc 660
tggaatgtaa ncttgangtg tcaaatgctg tattttatcc nntccnttgt ctgnagccc 719

<210> 2286
<211> 764
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(764)
<223> n = A,T,C or G

<400> 2286
nntcnttctg tntcntcaag gtnttnttnt cnngnatatt gcagtcngca caattgagag 60
anccaatggn ctgnncaatc gccncataga gganannnac atggnnctgn naggaatggt 120
ggttgtggat ganttacata tgntgggaga ctctcaccga gggtatctgc tggaacttnt 180
gctgaccaag atncgctnta ttactcngaa atcagcatct cgtcaggcag atctanccag 240
ttctctgtcn aatgctgngc aaatcncngg gatgagtgct nccttcctа atntggagct 300
cgtggcttcc tggctgaatg ctgaactcta ccataccgac tttngccctg naccgctttt 360
ggagtcagna aaagttggaa atcccatana tgactctttc aatgaaactt gtgagggaat 420
ttgancccca tgctacaagt gaagggagac gaggaccatg ttgcncagtn atgttatgag 480
acnatntgtg ataacnattt cnctattant ttttttgccn atcaaagaaa cggtgtgnga 540
aagcctggca tatntcattg cnngagaant ttaatnacct tacattnatc aaacngnngg 600
ggantggnng aaaccccttn tgaatgccca ccccgtnatt tnttggaaaa aaaaaagann 660
ttntttggaa nctnnnnggg gaacaaatat annaaaccnt tcnnccttтt angaacnggg 720
nacncntgtc ttaaaanaaa anttgncacc natgggggnn cnnn 764

<210> 2287

<211> 995
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(995)
<223> n = A,T,C or G

<400> 2287
cnncannnnn nncnactgcn nnnnnnnnnn atancgaann ncntanannn nnantnntct 60
nncntnnnnt cacnnaannn nnnnncntnn cnnancttnn nntnnnnntn nntangnnan 120
ttnnnttant ttaatgcntn tnnnntnann ntcgcgcccn ncntcncatn nntcccntcn 180
ctccccnnan ntnncaagng tnctttngna aantcangnn ngattntanc ttcngtnccc 240
nccccccctc tannnttcgn acctgcaggc atgcaancnt tgagtttttn tataggggta 300
cctaaatagc ttggnggggg cattttcata gctggantcc tgngtgaaaa ttgttatccg 360
ctcacaattc cacacaacat acgagccgga agcataaagg tgtaaagcct tggggtgcct 420
aatgagtgag cctaactcac attaattgcg ttgcgctcac tgcccgcttt ccaagcggga 480
aacctgtcgt gccagctgca ttaatgaatc ggccaaccgc gcggngagag gcngtttgcg 540
tattgggcgc tcttccgctt cctcgctcac ttgactcgct tgcgctcggt cgttcggctg 600
cggcgagcgg tatcaagctc actcaaaggc ggnaaataac ngttattcca cagaatcacg 660
ggggataacc gcaaggaaag aacattgtgg agcaaaaagg ccaaccnnaa ggccagggaa 720
ccntaaaaaa gggncgcgtt gcttggcggt tttccattag gctcccgccc ccctggacng 780
agcatnaaca aaaantncga cgcttcaant caaganggtg gncgaaaacc cgacaggant 840
aataaaagat aacccanggc ggtttcnccc ctggaaagcc tccctccatg ccncctntcc 900
ttgntccnaa cccttgccgc ttaacccgga ancttgccng cnttttttncc ttnngggaaa 960
ncgtgggcgc cctttctcan tagctcaccc tntan 995

<210> 2288
<211> 758
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(758)
<223> n = A,T,C or G

<400> 2288
natattcgat caagctactt gttctttttg caggatccca tcgattcgaa ttcggcacga 60
gtggagaggc cttggcaaaa tggctcatca cgttcaggcc ctccgggctg agttgtcagc 120
agtatcaagg gaggggcctg ctctatcccc agaaggatca ggatcatatc caggatgccc 180
cacatacacc aagccaggca gagggcagct cagctcctgt cccatctgct ttggatatct 240
ttacccaaag gcaggtaacc cgaagagcca gcctccactg cccacagagc caggcccagt 300
tgtgttggag tataggtcag gagctgtgga aggaggcagt ctgtgaggga ctcatgcttt 360
aggagtcctc acccctcaga ctgctgcagg acattgccag gcctctctcc acttccttcc 420
tcagcataca gacttcatgc tatcttccaa ttccggggag tcttagctat tagggcagtt 480
tctgcttctc cattttgggg acaaaggcct tgcccagtac aaatctagcc ccttgtccca 540
cagacttctg gatggtataa acctagtggc aatgtancaa ccataggcta gaaccaaacc 600
caagatttgg gtcagtgccc tgttaaaggg ttttaggatt ggtaaggaca ccacagctaa 660
atctgacatg taaaaggata cccttccctt gtccactacg ggtggaggct aaggacctcc 720
tcaaatccca caaaatggct ggtgacattg gcacaagg 758

<210> 2289
<211> 728
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(728)
<223> n = A,T,C or G

<400> 2289
tttantcntt ngcacatgtc tacccagaaa ttttgttcnt gacctgacgc ccaccttcta 60
tggtgccatc aagaaacctc ggcaccaacc aatgcctgga tgtgggtgag aacaaccgcg 120
gggggaagcc cctcatcatg tactcctgcc acggccttgg cggcaaccag tactttgagt 180
acacaactca gagggacctt cgccacaaca tcgcaaagca gctgtgtcta catgtcagca 240
agggtgctct gggccttggg agctgtcact tcactggcaa gaatagccag gtccccaagg 300
acgaggaatg ggaattggcc caggatcagc tcatcaggaa ctcaggatct ggtacctgcc 360
tgacatccca ggacaaaaag ccagccatgg ccccctgcaa tcccagtgac ccccatcagt 420
tgtggctctt tgtctaggac ccagatcatc cccagagaga gcccccacaa gctcctcagg 480
aaacaggatt gctgatgtct gggaacctga tcaccagctt ctctggaggc cgtaaagatg 540
gatttctaaa cccactgggt ggcaaggcag gacttcctaa tccttgcaac aacattgggc 600
ccattttctt tccttcacac cgatggaaga naccattagg acatatattt agcctagcgt 660
tttncttgtt ctagaaatag aagcttccaa agtagggaan gcacttgggg ganggttcaa 720
ggcacaat 728

<210> 2290
<211> 1460
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1460)
<223> n = A,T,C or G

<400> 2290
agcggnncgn nnnncgggga agnnnnnannn agnnaangng nnnnangngn anannnanan 60
gnggnaaann nnnngagcnc ncnnngngnn nnacaagngn naaggnncag aangggganca 120
ngcaacgnag nncgagngng cngnanaagn aannaagnnn gggannngnag aanagagagc 180
agagnagann naacggcggc nncncncnna ngttnnnnga aaccccgttt gnnnaaaacc 240
acccagnnca ggaanaagaa gtagagcnac naaanagcna gncngcngag ncnggnanna 300
anangaannn gggggggngg gggggggggg gaanggcnaa cnctttnnng nnacnagggc 360
aagggnaanc cgnagngcan nggnnggggg nnggnnacac naagcnagna aacnannnna 420
taaangngga ngagnagngn gnnancgggg gnannaaggg nnannnggna anngnncgag 480
aanagaaggg nggannngcg nnncanaagg gnggcagana gggaaggcng gaaaaaggga 540
agganaccna tgggggganga gaagggagag nnnnnnnagg ngcanaggag cagaancgca 600
anncganaag nggnnngggn cngancgana aantngnngg gaganannng ngganccnng 660
gggngagann gnaaacncan gggancnana ggcaangngt gcgngncgcn nggaagnnnc 720
ggaagagncg cgatcggngn gaacgcngag cgcagancag ntcggnaagn gagnncgnag 780
gcaacgggaa gaagagcgga ggagnacnng aatcgcngag aacgcggagg agcgcgcagg 840
angngcggga nnngagaaca gaacgnatgg aaggganngg agaggganan gngagantca 900
aagcatgang acagaaacac acgagagang nncggagaaa angacgagga gngngganan 960
anagngaang agacnnnnag gaanagangg gnangaaagg gaatggagaa agngannngag 1020
gananangac gcgngcgaga gcggataacg cngaacgcna nngaantnga gnaacacacg 1080
cgngcncacg cncgcacnga ccacnganng agacgnagca tngngagagg cggnnaacng 1140
cngacgagac acantcaaga nngncgnanc cnacggcgan cgnggngaac angnntngac 1200
ganangcacg aacgggagcg aaagntncng aaangnnann gantagaagc agaancgnaa 1260
cngnaagggn ccaggcgnaa aggntnggcc cngcaagagn ngagcnnaga gganangngg 1320
aaagangcgc gggnntgann cncaaccgac cgnggcgann aganntnncg cnagggnagg 1380
nnanggatga ggnanaacnn naggggagnn ngnatagnga agccagagaa gcaggcngcn 1440
agangnagnn ngangggacn 1460

<210> 2291

<211> 1412
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1412)
<223> n = A,T,C or G

<400> 2291
acnnccggnt cgnaggncaa tggngncngt anaannnann ggnnnnnaaa naaanngtga 60
angcntanta cnngcgnnan nngngttanc tacgtangan gaaanggtnn ncncngctgc 120
gagnagctaa nnnnncggga ncnanagnan nannnggatn cganataggg acgaaggana 180
nngaatcgcn nagacngang nngaaantgc gnngtncnnn cnncccacnc nggttntgaa 240
aacccccgtt atacggcccc ttcttcttcc cganggacac agngcagccn cntnaccccc 300
cgtcgncact ggagaaaatn gtcagaggag ccncgggnng gggnggggng nggggcgnct 360
natgtnttaa antttggng angaacgcag tnntggaggn nacnagcatg cgnnangncc 420
atanantgcn angggancng gcagggatgg catctgntna cccccaaccg ancgacgccn 480
nnaannccgg gngnaccacn gngnccacgn ccccggangc annanaagcc angnaggccg 540
ncnaggnnna nnannntngg gcacnanann caggangacn gnaggagncg ngccngcana 600
annangngta cnngnnacga naannnanngc cggaagagnn ncgcngatac nnccgnagan 660
cnganaaang ngnannanaa tagcnnnana ngannagacg nnggnccntc natgnagaan 720
gagaaancan acntggacga nncntngnag ngatgggntt gcatnnccac ngggtnccac 780
nncnnantca tngnnangnn cgaaagnngn gangaaanag cagggnntnt gnaggncaaa 840
tgcggacnnc nnnnggggta ngcgagaatc ggaanatcnn ctngangggn nnnacgcctc 900
nagtcntcgc gcncannnna gnangggngg anagacntat ntagangncg accantnnan 960
gacacngang ngcntntgan tnnnagagac atagatcagt nganangtan cnnnaatgcn 1020
tctcanagag nnncaanaaa cggattngga ctntatcatg tgnngcagng gnnaanaaan 1080
aaactcntnc gcgagnatgt nntgcgnttn aanncgncga tactnangta agaaananac 1140
nccccgtana ngngantnat cnacgcnngg gnnngcaaga aaaanacctn gaaanaagan 1200
gggaaagnna ngaatnngga cccgatgcaa gnganacngt ctaacgnaca aggtgacaca 1260
acncacgagn cgatcgaagt cacngtcacc ggcaaaacgg nggnnnttct caaaangggn 1320
gngatantac gtgctcacgc ganngggaca natanannga ctgantgtna agagcanaac 1380
gaccatgctt canacgnggg nganacccgc gc 1412

<210> 2292
<211> 775
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(775)
<223> n = A,T,C or G

<400> 2292
tgttattcgt tcaactcttg ttctntttgc gcgngctcnc anngatcccc nattcggcac 60
nnggtgnctt ctgtggaaaa aanattantt ctttaccatt gcancgttct gccctnggtc 120
caaatgttac caanntcact ctanaatctt ttnttgcctg gaagaaaagg aananacaag 180
aaaagattga taaacttgaa caagatatgg naaganggaa agctgacttc aaagcaggga 240
aagcactagt gatcagtggt cntgaagtgt ttnaatttcn tcctganctg gtcaatgatn 300
atgatgagga ancagatgat tcccgctaca cccagggaac aggtggtgat gangtttang 360
attcatttga gtgtaaatga catagattta nccctgtaca tcccaagaga tgtatatnaa 420
ncaggtatta ctgtanccag tcttgaaaga ttcaacncat atacttnaga taangatgaa 480
nacnaattaa gtgaancttc tggaggtang gctgannatg gnnaatnaag tgacttggac 540
ngaggacanc nnanagggag ngaacggaan atggngccac tagatgctgt tcctgtttga 600
tgaanatctt ttcactnnaa taaggatttg gattganctt tagaacaatt nnattacact 660
tggttttgan naaatgacac cnttcacttc gcttgtanaa nattatgtca actcatcccg 720

agttgaaatt gnctacatta ntttctttcc accttgnatc aactgatgnt ttttc 775

<210> 2293
<211> 1186
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1186)
<223> n = A,T,C or G

<400> 2293
cgncgngann gnangggngg ngggcngcng gnngnngang nngngnngan gannnngcna 60
nngcnngcgn ncnagcgcnn ngangcgnng cncgcgngcn nncngncgcg cnncnnngnc 120
gncgggnngc gggggnnang nngagnncnn gngcggncnn nngcgggnng nnncngcngn 180
nngannnnca ngcnncaccc ccnnancnng agngannnct tcgnaacnac ccggccgngg 240
ancgnnnagn nnnccccncc cccngncncn gcggncnngn gcgggggggg gggancacct 300
ttttgcngcc cagnnggcca cggncgcncc gggggggcnnn nngaacganc gcngnngnnc 360
nangggccga cnngnaaacc nncccgggggg ancnnggnnc ggcngngacg nanccncccnc 420
acngaggacc ggcggtgcgc cggggcaaga nggnccggna gccgcancan gnggncgagn 480
angggccggc cgcgngggca cnagncnagn ggcccgncac ggncnccgan ccgaagcagg 540
gggaggancn nacgncgggg anaaggggcc cgccagcacg nggganggcag gtgnggcctc 600
atnggancen nnnacccngg angagggnan ggnnggcncn caaggggggn gnnnangang 660
agcccgnncc gnngccaagc tgcagcccgc gcggggnnng gcncnncncn cgggggggga 720
ngaccnaaca gcgcnccncg cggagacnnn ggangncnac aggncncccc cgcgggnnnt 780
ggggcganca acgcncggng nggggccnca gngaccgcga ggangcagac acccncnccn 840
ncgggggnnn ngccngccgg gnncggcgcc gggagancgg cgncncangn agngggaaac 900
gccgccnggn accccgncgc anaggcgcgg cgcgnnanag acccggngan ccccngggng 960
aanggcggan acacnggggng ggggngggtc tngcgcnnaa ncnggggcgc tgncancncn 1020
ngccacgcac ncggcgcngn nggccngcgg cgcccccgcn gancngagca ngggnggnag 1080
ccgcccnnac cngnnncgcg gccacgccag cggncgcacg nagngncctc gggggcgcgn 1140
naggcgncna ngcnncccgn ccgcgngggg gncgcggcnc gngccg 1186

<210> 2294
<211> 1338
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1338)
<223> n = A,T,C or G

<400> 2294
anaaccnncn gngccggnga cgnnnnnnan gaaaaacnng nnanngannn gggaangagg 60
aaaaaangaa caannnaana ngaacannng ananggaaan gnngnganga ngaaangcgc 120
aggaaanang nncaaanang gnnngngann nnnacgagng agggnacgca gagaannnna 180
acgnanacgc gnnggnganc gaangaanat cgnagagana ggnacagaaa gnagcnnacn 240
acncnnnccc nccnnggntg ggaaaacccn cgtttgggna aaaacccccc nngngnagna 300
nggaaanaac anngcngaga gnangnaanc ggaaagngna aacaaangna gnnggggggg 360
gngnaagnnt ttntttnnaa tannagagan nggacnggga naaaaggngg agnaanggaa 420
aancannnaa acncanaagc gnntntatca nagcgcacgn nngagaanna cgaacangnn 480
nacgnnaann ngnaantagg aaganngnnn aaannngaaga nananggaag nagccgnnaa 540
ancgaangng aanannacgg gagacacgan naaannannc ncacnannna tagnaaatga 600
agaggnnagg gnggngnnnt ganaacngga cggaaggnnc nngngaancn naagccacaa 660
gntnngcnaa angcggnnaa cnagacgaac gagacgcnga cancgnaaca ncnncgnaac 720
acaaaagcca anaggganac nagaagnggn cgnntnnnan nnnngcaaag ggacacagnc 780

tggnaangan ngaaagnggn gctngccnan acggancaag gnaacgggaa aaggggccg 840
nngaaaaaan cnancncaca nggggaaacc aaaacgnnna acngntnnag aaatacgnag 900
gggacnaaag gggggaaagc naacaagnag cgagcnnggg gagnannaan ggggggnaga 960
cncngncgna aggagggtnn gnggnncnan gancccnagc acnngcgngc nggaaancnn 1020
cacnaagggg cgagaanaga ggnanaaggn ganncgaaca gaanannaac aacnacaggg 1080
agggcnagaa agcgagggna cnangnactn aaggcggaac ncgaanggan aaggnnnnca 1140
cangcacggg aaagnnncac cncnnncnan ngngngaaaa anggcnaant cgctaaagag 1200
aanagnaana ngaaccaang ggangaanng agggaaaaan ncncngcnna gnagantcgn 1260
cgnangagaa aaaagagaaa acagaanggg anagcggngg cnancncnga anggggagag 1320
aggcgcaagg cnnatccg 1338

<210> 2295
<211> 1013
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1013)
<223> n = A,T,C or G

<400> 2295
gannactgaa aaattntncc cttaattaac cttccaaggg ccctattgnc nnggnggnnc 60
ttgtttttt tggncccang ggccaattcc cccccaattn ccggnaattt ncccggtgg 120
ggaaccaatt ttttgggggt ttttttgggt tgggtncctg ggcctttaaa aaaaaatccn 180
accnttaaaa atttaaaagg gccctttngg gtnggggtn tnggccnncc caaccaattg 240
ggaaccgaaa aaaaaagggg gggnaaaaat ggcccanttt ttggccaatg gnaacancaa 300
gccattttcc aataaggggt tccccngggc caccnttttt tggttttctg ggaaccaagt 360
tatttttaa ccaagctttt aattggaatg gaaatatatt ggtactttgg gaattggccc 420
tgggttttct ctttctttga tttngatccg ctactgtgtc agtgtttgca atcagattgc 480
gtctcacctg cacatacatg tctttcagaa tcaaggtctc tacagctcat tctaatcatc 540
attaatgatg taattggtat ataggaacat catgttttct gcaggaaaga aagtaacata 600
ttaagggaga atgggggtgg ataaagaaca aatataattt ataataatca atgntggtat 660
aacttttatt ctttattatt ggtaacacgc cctaactatc ctgtgtgaga atgggaaatt 720
tcaagtccca tcttgtaaat tgtatatgtt ggtcatgcag ggtttgggcc aagaaagcat 780
tgcacaaaaa aaatgccatg tgattgtaaa ttatcctggg attcannaat aaatactgng 840
gatgggggag cccccatccg cagtgggtgg gaagaagttc ctaatggttg gactggtttg 900
ccaggcccaa aaagaatgaa tngcttttaa taantttaaa caaaatcatt gggccttttt 960
antaaaccat ccccttggtt ttaggggggc cttcttcaag ccctntcctt tnn 1013

<210> 2296
<211> 1694
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1694)
<223> n = A,T,C or G

<400> 2296
cgacnttncn gtgtntatga gnnnnntanc gngataaagn ncgtgtngnt nnntatatnt 60
nntntnantn antntnacga nnctgtggat ncngntgtgc atgtgaggtg atngnctnat 120
tcgctntctn gtnntcgnnc gnntgtatgn tnatgantat gtnncngaga tgtgtgnatg 180
aatgntanta nacnnnnnan attgtngaaa naccccnctt cgnaaaagaa cccccnggtn 240
ngttatatgt gtantactnn cgctntnatn ngtnnccgac gccagagtgt tnagattnga 300
tgagnnntan atgngtgggn gggggngggn gntgantgta tatgtntnat aatntaggta 360
ngntangtnt ngagngtatg tggtnngtag acagncggnn gtgantgtnn ngtnncttta 420

naagtatggt cgtctatcgc gnnattgatt ntttattnca tagngttnnt antgtnggan 480
gtttnatgnt acanantngt ngagnanggt cgattanttn nnngggcgng gngagatgnn 540
ngnnnatgac agntngngcn gtcntgagan nnagnggtgt ngngnncntt cnnangtgta 600
gntttanctt ntcgtnntga cnnngggnnt nnaatggncn gggngtnagg atgtnanntn 660
ggntatnagt atgagnnnng gnnnnantcg annnncataa atgtangnnn tgtgctgatg 720
tgnnncnang gngantgggg aantnngtgg nnnttatagn natnatcgan cgtgttcnaa 780
tgnttgntgn cgnnnnncnn gnnatgtnat gcnngngtgc nntnnnntcn gtgtgnntta 840
aanctntgtt gggttgggtg tgtggtatga tngcaggnca tngtatctng tnncnanatg 900
gangagcgga tgntggtnan atatnngata ngnngatnga gngntcgnat gagnnatgng 960
ncgcgngtat gagntcgnat ggtgnntnta tanangggtn tncacgcgtg gtngcncgtg 1020
tgntnnnctt tntagcgcnt nggntgcgta ctanntgnna ggggnnnaan anntnntnnn 1080
aacntaanng nncncgtgcn angntcgcgg ncatctggtn ncgntngaag aatagtcnta 1140
gtgacgagcn ggacgttcnc tgcnntatna ccnnacncgt gnngatacta nnagatgagg 1200
tnncgactgg anatnnttnn atnatcatnn aatnttnang angggaagga nncgtccntn 1260
ggnnggagat tntntgngna nngcgnagtg nnntcgngan cgtgatngna tangggnant 1320
aggcgnntag nanttgtgat gatgaagggg tctataagcg tggtnagntt ggtgntgagg 1380
tatgagacnn anatgtntag atatnctata tgaggatgan ntangggtcg atgtcgatgt 1440
ctngggtntn tntnggataa tngcatacgt cgntntntnn ngancntntn acagtttana 1500
ncgaaatata tnntanncgt gcgacncaaa tatgaattga tacaatacgg tgtangnggt 1560
tttatgtatn tgangntgan angtgtgtna ncnttatgat gacnggtatn atcgtatntg 1620
ccggtancnt cgnatntgta natgtgaacg atntcgcann gnnactantn tgcntatgtn 1680
tnnnantgat ccgt 1694

<210> 2297
<211> 768
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(768)
<223> n = A,T,C or G

<400> 2297
taatncgata ctcacgcttg catgcctgca ggtcgactct agaggatccn nattccgcac 60
nagacanaac ctcntnatta aagacaaatt tatcagaaan atgggtgcac aaagagggct 120
ttantggctt naagaggtat gtgaccgntg ccgatgacan ngagctngaa gccaanatcg 180
cagttgttga aaagtataac atcagngatt ccagagctgg tgcaaaggga tagaaaaatg 240
ccatatatga agatttggac tttgcntagt acattctggg cactgngcac aaagccaaag 300
gcctgnantt tgacactgtg catgttttgg atgatttagn gaaagtgcct tgtgcccggn 360
ntaacctgtn ccagcttncg cacttcagan ttgantcatt ttctgaggat gaatggantt 420
tactgtatgt tgcagtaact cgagccaaga agcntctcat catgaccaaa tcattggaaa 480
acattttgac tntggctggg gagtacttct tgcaagcaga gctgacaagc acgtcttaaa 540
aacaggcgtg gtgcgctgct gcgtgggaca gtgcaacaat gccatccctg ttgacaccgt 600
ccttaccttg aanaactgcc catcacctat agcaacagga aaggaaaaca agggggggct 660
accnnttgnc ctccttgncc ggagcaacgc atcnggcccc ttggcgtttc ttgaaagnct 720
tcccggacan gtgcgccccc atggaaccgc actggnggan aaaaatcc 768

<210> 2298
<211> 1407
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1407)
<223> n = A,T,C or G

<400> 2298
nccacaanca atanaggaag gngttgtnga nngggantan aaagnaanaa ntngnnntnc 60
acngacanan gntnngnanc naagatnnaa ncgaagacga ttgantacnn gtcaanaaag 120
ggtnantant cgagacaaga caagcacata ngagggcgng aaacgatntt ngactnggnn 180
annangtana tnctnacnga catgtntnca cngngcaggn nnanatnnga gatacganca 240
ntcacnanan nanactgngg aaaacccccc ttctgcanan atccataccg tanantnacn 300
gncncgntna atactgcgtn nnacaacanc gcacnccnca nnanannnca gnngnnntna 360
cgcgncgnan nntaggnngg nggagggggt gggaganana tntctacnac atacgnanna 420
cgctnntana cnaactgatg aannnaccng gaccngtngn ngtctanaaa anacgaganc 480
tccngagcan ntncataatc annanatgct naacgcnnnc atnaganngn ntnnctcann 540
gatnnaggtn ngtncggnta tnntnngntg gatnntnnng ngnangngan gngtntgnct 600
ganntcnacn nntngnangt gatncgtnnn gnannaacna ncnaaantgg caggnnncga 660
ntntaattan cgnnaactgt agatagnccn ncnnnanagg aatncgcnnn ttgggaaanc 720
nnantanccn gaaganggan nncgnngcgn ggancncgcn ncnagaccnn gtgatnngga 780
ancntgtcaa gatntntact ggngcagcna tnagngggac naanncaggt nnngnccncg 840
ngnnngcaca tatcaangnc naggcnnngg gncatgnntc nccgncacan cagatncacc 900
aanattcnaa nnagtnagnc naaacntann ggcggagann gngnntaaca ngagngtggg 960
nnncacngnn aaaaatanng ancaacanag ttanncenna cactgncncg cgagngangn 1020
ganngcgnca canaacnnnn ngaangcanc atnnnnggnc ngagannacg aanngngnat 1080
ngngcncnaa aantaattng ngggggacaa aangataggg tnnnnnaaaa nnggnggggg 1140
aatggggatc ctgaanacna aatccanant ggnaggnnag cntggcgtta ccnggngcgc 1200
naatnggaan cacncggntn nttnataggg nataaangnn canngganggn gcgggnagga 1260
anatanannc acgcaanaac tcnnggtgtt aaagagaaat nctnnnaaag aagnntancc 1320
gagcggtcac tatgaangcc gngnagangg gctgtnnntn ccnanttgna nnncncacat 1380
ntcnncangn aggaacnnga ctggnng 1407

<210> 2299
<211> 717
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(717)
<223> n = A,T,C or G

<400> 2299
ntnantcnnt cgattccgcn gagaacncac ntttnncagc ccncctgnag gccnaggana 60
catnaaatat ggcntatatn ctgtagagaa tgagcntatg aatcggctac agtctcaaag 120
ggcaatgctt ctgcagggca ctgaaagcct gaccgggcca cccaaagtat tgaacgttct 180
catcggattg ccacagagac tgaccagatt ggctcagaaa tcatagaaga gctgggggaa 240
caacgagacc agttagaacg taccaagagt agactggtaa acacaagtga aaacttgagc 300
aaaagtcgga agattctccg ttcaatgtcc agaaaagtga caaccaacaa gctgctgctt 360
tccattatca tcttactgga gctcgccatc ctgggaggcc tggtttacta caaattcttt 420
cgcagccatt gaacttctat agggaagggt ttgtggacca gaactttgac cttgtgaatg 480
catgatgtta gggatgtgga tagaataagc atattgctgc tgtgggctga cagttcaagg 540
atgcactgta taccaggctg tgggaggagg gaggaaagat gaaaaaccac ttaaatgtga 600
aggaacaaca gcacaagacc agtatgatat accaaggtaa taaatgctgt ttatgacttc 660
ttttannaaa aaaannnnnn nnnnnnnnnn nnnnnnnnnn aaaaaccnnt tctttnt 717

<210> 2300
<211> 765
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(765)

<223> n = A,T,C or G

<400> 2300
tattatncgn tcagctnctg gtccttttg cgagatccct cgattcgaat tcggcacgag 60
caggaataat gctgacatac atacatatnt atatatatat gaagagagag agagagtcnc 120
acacagacag acagacacac ggagtctcgc tgtgtcgccc aangctggag tgcagncggc 180
tcaatctcag ctcactgcaa gccctgcctc ctgggttcac actattctcc tgcctcagnc 240
tnccaagaag ctgggactgt aggcgcccgn caccatgccc ggctaattct ttgtatgttt 300
agnanagacg gggttncacc gngttagaca ggatggtctn gatctcctga cctcatgatc 360
tgcctgcctg ggcctcccaa agtgctggga ttatangcgt gagccaccac acctgnncat 420
aatgctgata ttttagntca gggtcatgcn ancaacatta cagatgttgt gaangactac 480
atgttcnttt gtncnaattg tccctttaaa atnaggagat tncaaacaaa tatttgaagc 540
tctttgagga ggggcttttc agatttaaag tgataaacct tattagtntc tctttaggca 600
gagaactgaa gatacatgta tatctcanct ttgtgagtgg aaattctctt tcanacttta 660
acattgaaaa gttaattcna aattcttttc tcatatattc atgggccttg gtaaatgatg 720
ggccgaanat gtcctgttaa cttgagaaaa ggagaaaaat tnttt 765

<210> 2301
<211> 755
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(755)
<223> n = A,T,C or G

<400> 2301
gntatncntt caagctcttg ttctttttgc aggatcccat cgattcgtga aggtctacaa 60
cccagttagg gcagaatgga ggcaaatgaa taatattccc ttggtctcag agaccaacaa 120
ctacagaatt atcaagcatg gccaaaaatt gttgctcatc acctctcgca ccccacagtg 180
gaaaaagaac cgggtgactg tgtatgaata tgatattagg ggagaccaat ggattaatat 240
aggtaccaca ttaggcctct tgcagtttga ttctaacttt ttttgcctct ctgctcgtgt 300
ttatccttcc tgccttgaac ctggtcagag tttctcactg aagaagaaga aataccaagt 360
gagtctagca ctgaatggga cttaggtgga ttcagtgagc cagactctga gtcaggaagt 420
tcaagttctc tttctgatga tgatttttgg gtgcgtgtac cgcctcagtg aaatgcacag 480
gatcaacagg gtttgntgta actagattga aacactaagt tgtttttact gttttggaaa 540
atatcttaaa tatccttttt gttcctaaag gagaggaaaa gttgattaac ttctggtttg 600
gtttagaaaa agtaatgttt gaaatacgaa ggtaatttaa tgttacaaat tttaacactc 660
aaatcaacct tttaataatt ttctgtgcta agggtccagt attatttgga ttatttagta 720
tggttatgtt tcatgacact aatttagtct ttgat 755

<210> 2302
<211> 729
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(729)
<223> n = A,T,C or G

<400> 2302
tttaaacctt ngaatcgcac gagaccggga ccagaacatg accggctggg cctacaaaaa 60
gatcgagctg gaggatctca ggtttcctct ggtctgtggg gagggcaaaa aggctcgggt 120
gatggccacc attggggtga cccgaggctt gggagaccac agccttaagg tctgcagttc 180
caccctgccc atcaagccct ttctctcctg cttccctgag gtacgagtgt atgacctgac 240
acaatatgag cactgcccag atgatgtgct agtcctggga acagatggcc tgtgggatgt 300

cactactgac tgtgaggtag ctgccactgt ggacagggtg ctgtcggcct atgagcctaa 360
tgaccacagc aggtatacag ctctggccca agctctggtc ctgggggccc ggggtacccc 420
ccgagaccgt ggctggcgtc tccccaacaa caagctgggt tccggggatg acatctctgt 480
cttcgtcatc cccctgggag ggccaggcag ttactcctga ggggctgaac accatccctc 540
ccactagcct ctccatactt actcctctca cagcccaaat tctgaagttg tctccctgac 600
ccttctttag tggcaactta acttgaaaaa nggatgtccg ctttatncaa aattacagct 660
attggcaaat aaaacgagat ggataaaaaa aaaaaaaaaa aaaccccttt aaaaaattta 720
gnggagtcn 729

<210> 2303
<211> 778
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(778)
<223> n = A,T,C or G

<400> 2303
gactatctct ttcaactnct tgtccttttt gcaggatccc atcgattcga attcggcacg 60
aggagagtgg ctaccttaaa aatgcntttn ttgaagaact gtaacctcag aggagcaact 120
ctggcaggaa ctgatttaga gaattgtgat ctgctggggt gtgatcttca agaaccaacc 180
tgagagnggt ccaacgtgaa ggggagctat atttgaagag atgctgacac cactgcacat 240
gtcacaaagt gtcagatgan aattttaggg gctggaggaa gatgtaaaag atgaaaatgt 300
tttccttatc acttttcttt ctccacccac tcagttgtct agaagaaata acactgtaag 360
gaaatttaaa aaaaaaacat ttagaggatt atgcttgttt tgagtggtgc atangggaaa 420
aaactgactt ttttttccat attctgattt ttaacagaaa agcactcatt taatagatgt 480
anggaaacta gatattgctg ccttttgaat ggggtagggg ggtttacctg gttttatgac 540
caggcatagt atctattata tttgctttta aataggcatg atgtggaaat accatcttgg 600
tttgagatgc atttgaggat tttaatttat ggaaagcccc accatatgca attatattta 660
ttggaattcc tangatgcan ntattggatt atttnaaatt ggttaaaact ttatgaaaac 720
tttgnaaaaa ggttgttcan gtttataaat agctttaagt gatgccctcc cttntttt 778

<210> 2304
<211> 1609
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1609)
<223> n = A,T,C or G

<400> 2304
ncnnncgnnn nntggggntg ncnnntnnnt cnctccctnc ncggngggng gcnnggggtn 60
ntgtnangga ntgcngntnn ctntgcccnn ccccnnnnnn cggtgctgct cgangagncg 120
ccgaggatat ctnnnnnnnc ccccccnttg cggcgnctcg gggggggggg ggggcgcttt 180
ttttttanac ggcnccnccg ncacnggggg gggggcnttt ncntgccnnc nncgctactt 240
ccnnttttgg aaccgngngn gcnangaann gaagggcnnn angcgcgccg gtgcnngtgc 300
tngtngcggn cnggcgtngc gngtggtgcg nnnnggcana cgtcgcgncn gnnngcngnn 360
gcatnngcnc tngnncncgn ggggcnntgt gtnnnntaat gancgcgnnc cgnagacngc 420
tctgggactc tgcnnnnggg ncggcggcgc gtangtagng cgctngtcgg ntngcngtct 480
ntangctcgg agcnggagca cnngnnnncn gatgacgnnt tgcnngngng ngctntngan 540
gccgtangcg ngtnctnnnn ggtagngnag ngttcgactn ngtcacgtgn agttgactct 600
gtngnnngcn ccgnactgnc cnctgcgngn tgtgngtgtn ngctaacgtn nnnggantcn 660
gnaagtanga ngacgccggn ngtgttganc gntgnggtcg gngnanccgg cngtnnggga 720
agcgtggtgg tnngcctcnn tnnnggtgtg ggagcnntcg nnagntgang gnncgttgnn 780

ngnggctcgg cnatcttccg ggngcncncg tntncgatnc gctctctngn ttgntngnnt 840
gnnnacgccg cncgatgccg cgngnngcgc gacgncgctc gngngctgcg ncgatatcgn 900
tacannaggg gaatgggaca taccgngnng ntngtgcncg tctnangnga ggnngangcg 960
cgnctganat gaggngagcn gngagtgtnt ctgannactg gagcgcgcng tgcgnttcnt 1020
cttccngacg tacatctcac cncgcncatc ggtgcgcgcg ctcggannag gtacgcgcnn 1080
ntctngntgn tnntnncant cnctcnnngn agnacgncng gngccggtan ngagnncgnt 1140
cnntcacgtn gngnnnncgn gacanagncn cncacgatnt gcnacgagcg cncntcagan 1200
ngangtgctg atgtgngcca cgnantagng tgcgtgatat nggcngtcat ggcatgngtg 1260
cgtncagtga gcnngcnntg nntcntgcgt gcancgtacg nnacacgcga gacgntctnc 1320
gngctgtgca cngcgcnncg ngnntnatag gcacacnggc atcnngcgna tantgctgag 1380
gggancgnct gcncgnaann gcgacgtnng ntgnnnacan agacgcngtg atttcacgng 1440
gccggnggnt gnntncgggc tggnctgnnn tgnngncgtg cgtccnagtc gcgntganac 1500
gnggcgtcna nagncgaatn ggagccggnc gaggngtaga tggggacggg agntnatnga 1560
cggtggccga nacgtgtccg agcttcgcgg ctggtngngc accggngcc 1609

<210> 2305
<211> 1021
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1021)
<223> n = A,T,C or G

<400> 2305
gnggnannga nnngnnangn aangnnagag nngnggnngn nnnnnnangg ngnannnnnn 60
cggnnnnnnn nnnnnnnnng aaagaacctt gaaaaaccgg cntntnngca gcacccangc 120
gncganagng ggnacgaggg tcagaaaaga aaagcaaaaa ncatttnntg cggcggacac 180
acgacagann gggggggggt gnnggagaga cagngccgnn acgagttnct cgnnnccatn 240
ggggncaaag gagnangggn nagcgnnntc gctcanacgc ngccgngcng gggtgacanc 300
ngcnaggngg aaagnagnan taacnaaggg tcgggnagtg gaggntcanc ctggagangg 360
nggctacnaa ggggangcng ngcacggaag ngannagann gtccnggaca aanggaccgt 420
gaccggcana cnggaganga anccggcaan tancnganga nctncnganc nnagangcnn 480
tgtnncgcan cggnngacgc ngagnnnagn ngtgnccggg ntngaannag gaagnnggaa 540
aaaggcnacg angngnnggg nngggagcgg nngcngaggc tcgaagnant gnggcccgnn 600
gagcgnancg catngggggn anngcannna gaacgaagag aatggtaggg acncnnnaan 660
nggcgagggt ntgtaaaagn nacncgngga acgnggnngg aaangncgag anncgnggna 720
naccggggng gtgganaaat ggtnnnaaan aanngccatg aggggcccnn nacannnccn 780
cccncaacac nnagncnngg gcgcgaaagc antanggnat angnnnnnna gcacgtntag 840
agtgnnaang agggggtnac aganaaggng ccnganctca aacaatagaa aaaggggnca 900
tngnannata caggggggnc tntanagatt caacgtcngn acggangcac acggtggggc 960
gangcgnaca cnggggnggg tgancnanag taccnagcga gngccgntgt gnnacnatnn 1020
n 1021

<210> 2306
<211> 757
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(757)
<223> n = A,T,C or G

<400> 2306
nttttaaacc cctttgcgaa annaggganc agtgtgtaaa gtacaaaaac cagctggggc 60
gtggtcgcgc tcatggtgtg gaccactgtt gtttagactg anctgggnan ggatggcttg 120

nnnccttgna agnncaaagg ctnttngtga tctttttgtt tcncctcctg nactctancc 180
tgggttgaca gancaagacc ccatatcaaa aaanancggc cgggcgntgg gggctcacgc 240
ctgtcattcc ancantttgg gaggctgagg cgggtggatc acaaggtcan gagatcgaga 300
ccatcctggc taacatgatg aaaccccgtc tntactaaaa gtacaaaaaa aattanctgg 360
gttgtggtgg cgggcncctg tagtcccagc tactcaggag gttnaaggca ggagaatggc 420
gtgaacgcgg gaggcggact tgcagtgagc caanatcgng ccactgcact ncagcctggg 480
cgacagagca tgaccccatn tcaaaacaaa caaaactgtg atgataaaaa gcgccataaa 540
cactaatttc aaaccatgct actctgtctt aaattttcaa atagctttgc acctgaaata 600
caaaattaag ttttgggaaa aacaagtttt taactgngtt gctcacaagc taattaaact 660
ggntaagttc tgccatgtga aagggtaaaa aaaataaagt tcatttttg gaaaaaaata 720
caaatctttc tanntnttat atctttntnc nttnnnt 757

<210> 2307
<211> 1175
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1175)
<223> n = A,T,C or G

<400> 2307
atgggggann nnnnnnnntn ntnnttttta ncccgatnaa ttcccttnaa nnaatttcca 60
agaaanccct tngggccatt ggggcccctt ggggccaaag gggnaanacn aaaaacattn 120
cntaacannn ngggntaaaa gcaacaccnc nannggtata ncncntanag gnctctcncc 180
natatantga agangganac atnatnnatn anngnaanna aatnttttnt ntnacaaaan 240
ntttcnacat ggcggctcnc ntanntatnn taaaanagcn ggngntatca tntatncgtg 300
aaacaaanan ncntnncgnt gatttacccc naaaatataa aatctnaant ncncnangna 360
gaanactntn anttncaaca aannnntngt nattaancan aanannaacn ntnannnnac 420
ngnttctntt ncaanantat ctcannncta aaatangtna aancnnaang cacctctgtn 480
annggannca ttaagcacan ntnngttnan tangagttac nntatatnac anaantngna 540
tnaanttnnt aaacnccnta nccgacnant naattnaacc taatatntcn atanattttc 600
annncaanaa tnannagatc nnatcnngna nancnnntaa aataagtgnn nctnacanat 660
ntnanntnan nntgaanaat taacagngnt ttaaanngna naccnnttga cccnctaaaa 720
aaaaanctat ttanntaaat agtnnatngn gatttaacca nataatantg naancnccat 780
ncacactnnt agaatannac acacgggnnc tataatacnc taaccntnt tttanacacc 840
atntctncta anatantcac actattaacc aatanaaacn aagatcgggg gaatatcatt 900
tgcncaaatc aaaanaaaat cngggataac caaactactc nntaaaacac cttantgcgg 960
nggggnaca nanataanat ttnganatct aaatnaaagc ggaaanncat gnancccntt 1020
tcccgcccct cttatttaac nntntaaang aaaagnnnag gcnttttctc tctatnnata 1080
ccancanctc cnanantang taaaaaatna ntnanntgna gnaagagttt gggggntnna 1140
tnncccacna nacttttgna agaangcngt ttncg 1175

<210> 2308
<211> 861
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(861)
<223> n = A,T,C or G

<400> 2308
ncagncccan tcaaagcncg ctgcctgnaa aagacccatc gattcgaatt cggcacgagn 60
ggaggaagca nnagggaaat cntgacgctg caaantgcnc aggcncgaat acggatggtc 120
ctcgcctatn tggtngctca ntagaacctn tggactnggg gtgtccncgg tgggctcctc 180

gngctgggat ccncnacgtg gatgagagtn tantgggctc ctnccaaggc cnntgtncca 240
nttgcngaca tcaaccctta tgcngtatca caagacngac ctatnnggcc ttcttcnagn 300
tnangcatcc ncccgcttcc agctntctgc cctgcagagc atactgntgg tgcctgacac 360
cgcaaatctg gagccnttgg ctgatggana ngtgatncna taccgacnan gaananatgg 420
ggatgacata tgcananctc tcnnantatg ggaaactcaa gatngtggcn aaagatggng 480
ccctacaann tggtntgcaa anttcntcag gatntngaaa cacntctgcc ccccctgaca 540
ngtcncnntc aaagagnaac nggngntntc tttcaagttc ttnccttgaa cncganacaa 600
agaaggactg acgctttnca caactgagtg gcctacngcc tnnanacata gcaatncctt 660
gaangaacac aaaagggntt ttgancgtgn cgaaaccaat ttcccttggn accgaancca 720
caaattcttg ngcccctag ggaaaaagnt tnttcanggg ggccnttaaa aaaaannaaa 780
ccangggggg ccacaacnag ccattgggga ggccccttaa taaaanaaac ctcatataan 840
ccctnaaggt aacgtggaan n 861

<210> 2309
<211> 777
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(777)
<223> n = A,T,C or G

<400> 2309
nantattcgn tcaacctnct ngtnctttt gcaggatccc atcgattcgc tgtaaatgac 60
aaaagaaaaa gaaaaattga gccttgggac gtgcccattn ttactgtaaa ttatgattcc 120
gtaactgact tgtangtaag cagtgtttct ggcccctaag tattgctcgc cttgtgtatt 180
ttatttagtg tacagnacta caggtgcata ctctggtcat ttttcaagcc atgtnntatt 240
gtatctggtn tctactttat gtgagcaagg tttgctgtcc aaggtgtaaa tattcaacgg 300
gaataaaact ggcatggnaa ttatttttt gnntgttntt tgtttttgg ctctttcaaa 360
ggtaatggcc catcnatgag catttttaac atactccata gtcttttcct gnggngntag 420
gnctttattg ntatttttt cctgngggct ngggtggggg tttgtcatgg gggaactgcc 480
ctttaaatat ttaagtgaca ctaccnaaaa acacaaaacg gtgatgggtt gngttangct 540
tgnatngaat gctgacttga catctnttgc cttgacctcc ggtatgttnt aaagctgnnt 600
ntgaanatct ggatcttgcc catcctttgg gntagngccn ggnctaatta aatttggctt 660
tnttccaatt ttttttact tcccctttnct ccctttncng gaaggcatta aaatgctngn 720
tgcctggggt cttttaanaa atgttttaaa ccattttccn tggnagnaaa naaattt 777

<210> 2310
<211> 1391
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1391)
<223> n = A,T,C or G

<400> 2310
gcnnnnngcn nacnngnngn nngnnnncna nnnnnnnnnn ggnnnngnnn nnnnncnnnn 60
cnnnccnnna nnnngnngnn nnngcgcgnn ncnanannnn nnnngngcnc gcgnncnnnc 120
ncnnggcgnn ngnnnnnnnn cncgcgnncn nncnngngcg cnngnnnant cgcgngannn 180
gngnncgcnc ncacgngcnn nnanncgnnn ncnngcncnn gcnnncnnnn cccnccnagn 240
ntngancacc ttccntntaa aaccaanncn nccccncnct nngngggtng nannngnanc 300
gcangncccc annccncnnn nngcggnnng ggncnngngn gnggggnggng ggcgagncna 360
nnngtntttt ttttnngcgn tgccnanncc ggggncngan gacgacgggg gggggtgncg 420
aanngncgng gcnccgcggg gtnngnngcg ttangcnncc nacaanggcg gcncgancgg 480
gaccgngcnc ngtnannggn gncntgannc ngnaanacgc agngtgcgng acacggnnac 540

nacgtcgang agtgnnnacc ataaggagan gggnngggnc acaggcgacg ngnnnaggna 600
gggaagganc cngnnggcgg ngncngncnn gacnacncac cngncgcggc gcggnacnnc 660
nncgacancn ccgganacgc ggngcggcna cggcgngcgn ngggngacng cacggnnann 720
gncgncncac naggngncan cgnnnngcct gggncgncnc ngnnntgncn cnangggang 780
gtnncncaan nnggncgagc anggaagnng acgacanata antcgggaac ngggcnanna 840
nnggngnggg gggnnggcgc gnggccaggn agcggncatn ncgncnanan nngnacaang 900
ggcnnnangc nnccatgnna ngggggaggg gccncacggg aggggcgcgg gaagacnacc 960
cngggngggn ngacngggan gnntatgggn ggaccnngnc cntgggcncc aagcaanggg 1020
nggngnaccc cnnggngctc ncncgcctca gnaaaantnc cngnanangn tnangcccca 1080
cgggcggncg ngtgggngng ggggacgccc cnggtananc cccnnggnta ncnctctagg 1140
aagggcngga cgggccnggg gaggaaaanc nctngggcaa ccccgggggа nggccgggan 1200
nggcnggcac gnagnggccc gnngaatgan acacccagcg cggnncgncn cangaccnng 1260
gggcnancnn gngnccaagg anctnctggn cgccaggcgg ggcaaggtga ggggngtncc 1320
acncgnanaa agacgagggg gcgcggcgcc gcgcgcangn cnggggggng ggggccgatg 1380
ggccggnnnn g 1391

<210> 2311
<211> 736
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(736)
<223> n = A,T,C or G

<400> 2311
nntttaaacc ncgnatcgca nacagccaaa cagaccttct gtttcatgaa caggcgtgtt 60
atatctgcta acccatatct agggggcacc tccaacggct atgcccaccc cagcgggacg 120
gcacttcatt atgacgatgt cccgtgcatc aacggctcgt gggaaccgga agacggcttt 180
cctgcttcct gcagcagagg cttgggagaa gaggtgcttt atgataacgc aggcctgtac 240
gataacttgc cgcctccgca catctttgcc cgctactctc ctgctgacag aaaggcctct 300
aggctgtctg ctgacaagct gtcctctaac cattacaaat accctgcctc cgctcagtct 360
gtcactaata cctcttctgt ggggagggcg tctctcgggc tcaactcgca ggtacggcat 420
cttcttctgt aagattctag aaccaccttc aagtcacatt gctccaacag agttttgcaa 480
cttgtagtaa atgggactca tcaaaggcaa agcataatgt gttnttttt ctcaactaga 540
atataatttg cagcctgact accaaggaac tgatgaaata tttcttaacg agctcatggn 600
ttatctganc actgtgtttn tttgcccaca tntggctctt tttctgttnt tggaaaantt 660
cccccantga aattttngng aattatgtca acttaaangg cagagaagtt tnaaaagaaa 720
ccgggttata aaactt 736

<210> 2312
<211> 774
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(774)
<223> n = A,T,C or G

<400> 2312
tcnatncgnt cagctcttgt tctttttgca ggatccctcg attcgaattc ggcacgagaa 60
aaatatgggc tgggattaca ggcgtgagcc accacaccca gcctttcttt tagtgcttta 120
aatatattgg ccctctgcct tctggcctcc aagtttctga tgaaaaatct gcttgtcatt 180
ttattgagga tcccttgtat gtgacaagtt tcttccctct tgctactttc aggattctaa 240
ctttgcattt caaaagttag actataatgt gtctcagtgt gggtctcttt gagttcattt 300
tacttggagt tacttgagct gcttggatgt ttatatgcat gtctttcatc aaatttggga 360

agttttcagc cattatttct tcaaacatag tcataagctg cataatgaca ttttggtcat 420
caatgaactg catatatgat ggtggtcctc aaagattata atactgtatt tttactgnac 480
tttttatgtt tatatgtact tagatacaca aatcttacca ttgtgttata attgcctaag 540
tattaaatac agtaacatgc tgtcatattt gtagccttgg agcaataaag ttatatacca 600
tataagttta ngtataccag tagcctatac cattgtaggc ttggtataag tactctctac 660
gatngttcac accaatggtt ggaaaatcac atgaaggatg tatttcctca naaacatatt 720
ttttggttgg ttaaagtgga tgccatgaac tggtanttct tctcttgncc cttt 774

<210> 2313
<211> 729
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(729)
<223> n = A,T,C or G

<400> 2313
nttaaacccc nttcgattcg gcacgaggcg atgnnnnatn ctgntnaatg tncctnncan 60
tntnaccnna cggntgnact tcaatgtnct ngtgaannac tcacncaggg atcgcctcgc 120
cntnnaggnc gtgannatna ggtgnncaat agnntgtgac gcaccgtgca aggnaatgnn 180
cggcaagcat ctgggnnaaa anaancntac nctttggctg ctcttgaaga atgaannacg 240
acgncncctn gcngaacnag aagcnttnga aaacagactg annggnccnc ggangaagaa 300
ctggacntgn gntgatntgg cangngagcn atcactatgg ggnaaacatg actattatnt 360
cnttnnngnn ngtgcnntng ngncngtngn gtnagccnng ctcatcannc annatggcan 420
nnnnnaantg ntgggntctt tcacngncnn tnncnttggn tntntannan tngttcnanc 480
cngnntattn caanntgnct tttntngann atgntntata ttgacatnca tntgngnatt 540
ctntnaggtn tntgtgagan ggacantntg tnaaactcta tcttanntnt ngtcctntga 600
ccgncaccta nagtantgtg tncaagtgga cncctgactg aaactaaaan ttntgntacc 660
gcttagctta ntngctgact tacntncttt tggncattgg gctnccctga ctttcctntc 720
atttaatca 729

<210> 2314
<211> 760
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(760)
<223> n = A,T,C or G

<400> 2314
tattatncgn tcanctactt gttctttttg caggatccca tcgattcgaa ttcggcacga 60
gataaaacag gaattttgga gcgggttgac cgaaggttag tgtacaaatt tggaaaaaat 120
gcacacgggt ggcaggaaga caagctatga tctgctccag gcatcaagct cattttatgg 180
atttctgtct tttaaaacaa tcagattgca atagacattc gaaaggcttc attttcttct 240
ctttttttt aacctgcaaa catgctgata aaatttctcc acatctcagc ttacatttgg 300
attcagagtt gttgtctacg gagggtgaga gcagaaactc ttaagaaatc ctttcttctc 360
cctaagggga tgaggggatg atcttttgtg gtgtcttgat caaactttat tttcctagag 420
ttgtggaatg acaacagccc atgccattga tgctgatcag agaaaaacta ttcaattctg 480
ccattagaga cacatccaat gctcccatcc caaaggttca aaagttttca aataactgtg 540
gcagctcacc aaaggtgggg gaaagcatga ttagtttgca ggttatggta ggagagggtg 600
agatataaga catacatact ttaagatttt aaattattaa agtcaaaaat ncatagaaaa 660
gtatcccttt ttttttgga gacgggttct cactatgttg cccagggctg gtcttgaact 720
cctatgctca agtgaatcct ccccctcggc ctnccaaagt 760

<210> 2315
<211> 737
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(737)
<223> n = A,T,C or G

<400> 2315
nannatccgt tctccgcntg ctgcctgnng cangatccca tcgatnccga attccgcgcg 60
cnngcaatgt atccntatgc cnantgtngt tgcantanca ctggancgag ggtttacnan 120
gcggtgcntg nnaaaacccn ntngttaccc agnnaaatng acttgcaata cattcancta 180
gcgcgcgnnt gnnntcataa ttcantgggn nntatccnat cgcncttatc aangagatgn 240
ctctctggct ntctnttgcn ctctcantgg aaccggnnat tgnatannaa antcntgntn 300
ncaanctcnn tctccctnat nggngacngc aactacctaa tcttgaacag atatgctaat 360
ttcgctaacn ctcnggtctg ccctncccga tcccctggct ncncagnaca cattccnntg 420
aantaaggnt tcnanataca tgnncatnct atnnntatnn nnggcaacnt gnattagggt 480
gantntatan ntatanntnc atatgcntga tganagctga taanntnnac nttgntattc 540
nncgttctat atgagannac tctcgtgnaa actggacaac ctcancctan atctggctnt 600
ttttaanttt aaaaggntat cacgaattca ncgagcnctg aaaatccgct anttgcngga 660
annnactcga cattcgcatn tgctncgcnc acatttccng atnngncgnt cacntcantn 720
tancnngnnt acacncn 737

<210> 2316
<211> 728
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(728)
<223> n = A,T,C or G

<400> 2316
nttnaacccc tntcgantcg gcacgacagc atctttcagg tcatccggag ctgcaatcga 60
agtctggaga cagacgagga ggacagcccc agtgaaggaa acagctccag gaaaagctcc 120
ttgaaggata aaagccgatg gcagtttata attggagatt tgttggattc agacaatgac 180
atctttgagc aatccaaaga atacgactct catggttcag aggactcaca gaaggccttc 240
gaccatggga cggagctcat cccttggtac gtgctgtcca tccaagccga tgtgcaccag 300
ttcctgctgc agggggccac ggtcatccac tacgaccagg acacacacct ctctgcccgc 360
tgcttcctcc agcttcagcc cgacaatagc accttgacct gggtaaagcc cacaactgcc 420
tccccagcca gcagtaaagc aaaacttggt gtacttaata acacagctga gcctggaaaa 480
ttcccactac tgggtaatgc tggattaagt agcctgacgg aaggggtctt ggatcttttt 540
gcagtgaagg ctgtatacat gggccaccct ggcattgata tacacactgt gtgtgttcag 600
aacaaactgg gtagcatgtt cctgtcaaag actggtgtga cattgctcta tgggcttcag 660
accacagaca acagattatt gcacttcgtg gcacccaaag cacacagcta aaatgctctt 720
tagcggat 728

<210> 2317
<211> 750
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(750)

<223> n = A,T,C or G

<400> 2317
antttgaccc ctttcgantc ggcacgagac aatctctagt ctaaaagatg gcggcaaggc 60
agcccaggca aatgtaagaa taggcgatgt ggttctcagc attgatggaa taaatgcaca 120
aggaatgact catcttgaag cccagaataa gattaagggt tgtacaggct ctttgaatat 180
gactctgcaa agagcatctg ctgcacccaa gcctgagccg gttcctgttc aaaagggaga 240
acctaaagaa gtagttaaac ctgtgcccat tacatctcct gctgtgtcca aagtcacttc 300
cacaaacaac atggcctaca ataaggcacc acggcctttt ggttctgtgt cttcaccaaa 360
agtcacatcc atcccatcac catcgtctgc cttcacccca gcccatgcga ccacctcatc 420
acatgcttcc ccttcacccg tggctgccgt cactcctccc ctgttcgctg catctggact 480
gcatgctaat gccaatctta gtgctgacca gtctccatct gcactgagcg ctggtaaaac 540
tgcagntaat gtcccacggc agcccacagt caccancgtg tgttcccgag acttcttcag 600
gagctagcag agggacanga nnaagaggat ccccagggtg acagtaaaac aagcaaaaat 660
gggnccacca agaaaacaca attgtggagc cgcttntaca gaagttttat tcatnttacc 720
cccttcacag nggatnccag ccaagaaaat 750

<210> 2318
<211> 756
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(756)
<223> n = A,T,C or G

<400> 2318
nttatccttn caactcttgt tctttttgca ggatcccatc gattcgaatt cggcacgaga 60
ccacgtcata tacagcctac aaagagctct tgactgtgag ctcgcagagg cccagttgca 120
taccactgcc attgacaaag agggtcgncg ggctgttaaa gcgggagctt atgctgcttg 180
ccaggaagca aaggaagata taaagagtca ttcagaaaat gtctctcaac atccacttca 240
tgtagaagta ttacactcag agattatggc tcatcagaaa tttgctttgc gtctnggttc 300
ctggatgaac aaaattatga gctattcaag tgactttagg catatctttt gccaagcatg 360
ccttagagaa gaacctgact cggagaatcc ctgtctcata agcaggttaa tgctttggga 420
tgcaaagctt tataaaggtg cccgtaagat ccttcatgaa ttgatcttca gcagtttttt 480
tatggagatg gaatacanaa aactctttgc tatggaattt gtgaagtatt ataaacaact 540
gcanaaagaa tatatnagtg atgatcatga cagaagtatc tctataactg cacttcagtt 600
cagatgtnta ctgggnctac tctggctcga catcttattg aaaacagaat gttatctntg 660
tcattactga aactctgntn taagttttac ctgagtnctt ggacaggaac antaaattcn 720
acttccangg ttatgccngg acanattggn aagatt 756

<210> 2319
<211> 760
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(760)
<223> n = A,T,C or G

<400> 2319
atatccgttc aactacttgt tctttttgca ggatcccatc gattcgaatt cggcacgagg 60
agttctacag gtggagtgtg gggcccagaa ggggctcagg tcttaggggt gtcatctgaa 120
aaaacagaga tggtgatggg acaccagttc taggagccct ctgcatggcc actttctgcc 180
tcagctcttc taaagcattt cttctgttcc cttccattgg ggtaaccact gatctgtctt 240
cccaaaaact gagtcagaag ttggactttg ttacttggct catctacatt taagatatag 300

tcagaaaaaa aatgcagtct ttacatctta agaaagctta catgggccag gcgcagtggc 360
tcacacctgt aatcccagca ctttgggagg ccaaggtggg cggatcacct gaggtcagga 420
gttcgagacc agcctcaaca tggagaaacc ccatctctac caaaaatata aaacttagcc 480
aggcatggtg gcttgctcct gtactcccag ctacttgggg ggctgaagtg ggaggattgc 540
atgagcccag aagtgggagg ttgcagtgag ctgagacgag atcgcaccac tgcactctac 600
ctgggtgaca gtgagaactt gtctcaaaaa ataaataaat aaataaaatc cattaaattg 660
ccaaaaaana aaannnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 720
nnaactnggc ctttaaaact ttngggagnc nnttncntan 760

<210> 2320
<211> 732
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(732)
<223> n = A,T,C or G

<400> 2320
tntttgacan ctttcgantc ggcacgagga acatatgaaa atacaactta aataataaac 60
agtggaatat aaggaaagca ataaatgaat gggctgagct gcctgtaact tgagagtaga 120
tggtttgagc ctgagcagag acatgactca gcctgttcca tgaaggcaga gccatggacc 180
acgcaggaag ggcctacagc ccatttctcc atacgcactg gtatgtgtgg atgatgctgc 240
cagggcgcca tcgccaagta agaaagtgaa gcaaatcaga aacttgtgaa gtggaaatgt 300
tctaaaggtg gtgaggcaat aaaaatcata gtactctttg tagcaaaatt cttaagtatg 360
ttatttttctg ttgaagttta caatcaaagg aaaatagtaa tgttttatac tgtttactga 420
aagaaaaaga cctatgagca cataggactc tagacggcat ccacccggag gccagagctg 480
agcactcaac ccgggaggca ggctccagcc tcancaggtg cngagcccgt cacttgcacc 540
aagtctcact ggctgcagta tgacatttca cnggagattt cttgntgctc aaaaaatgag 600
ctcgcttttg tcaattgaca ggttcttttt tcttactaaa cctgtacttt ttgtaaatac 660
acatagcatg taatggtatc ttnaaagtgt gtttctatgt gacaattttg tacaaatttg 720
ttattttcca tt 732

<210> 2321
<211> 1025
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1025)
<223> n = A,T,C or G

<400> 2321
aacnaccttt naactcntgt cttttngcag gatcccatcg attcgaattc ggcacgagng 60
gaggaagcac nagggaaant ttnncgcngc aaanngcnca gncncgaata cggatggtcc 120
tcgcctatnt ggtnggctga ntagaaccaa tggactnggg ggtgcccacg gnggggctcct 180
ngngctgggg aatccaanaa cnagggattn aataaganct accntgggcn tncccttacc 240
aaanngccna cttgcttcca tttgncgnga accntcaacc cccttgtatg gnccggatat 300
ncaaactaan gaacnggaac cctaaaaggg nccnntncgt cccannntnn tngnaantcc 360
ccanncggct ttccnancct tttccttggc cccctcgcng gaaggcaatt anctgntttg 420
ggcccccctg anccaacccn ttnaaaaatc cttgngcagg cccctnncng gccattgaat 480
nnggaccacc ggtnggnttc cncannannc ccgaaccgaa angggaaana aacatgggng 540
ggtaaangaa ccnttaattg ccaggnatcc ttcttttngg ananttaatg ggngaaaaac 600
ctcaaagnaa anngntgggc ccnaaataat tgggggggcc ccttaccaaa atgatggttt 660
nttncnaaaa ctatcctaca ntgattgctn naagaacaca atacctggcn ccccncgcag 720
gacaangtca anttgctcna aaagangaaa acnggttntn tctttcaagn tacttccttt 780

ggaacncgnc ncaanggang aactcgaanc ttctacaaca anttcngtgg cnnncagccc 840
ttaagaactt nncganngcc ttgaaagnaa caaanaaagg gttttgaacc gtgctnaanc 900
aatttncctg gaaacgatcc ananntcttg gcccttggca atgttttcag gtgccntaan 960
aaaaaacagg gtggcaccaa gcattggagc cttaanaaaa actaataacc taagtangtt 1020
ancan 1025

<210> 2322
<211> 717
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(717)
<223> n = A,T,C or G

<400> 2322
cggagatatg attaggagag ggaatgcttt ttgagggcag aattgccaat ctgcttgtac 60
tttataagcc tgttgattgt ttagatacgg tttagccagt ttatagttac cctgggtgct 120
gaaaggtatg ctggatgata cctaaccaac agagaaccat tgaatgccgt tcaaaatgga 180
ctgaagcatc agcaatgtct gaaaaaggcc tgacagtaat gtacatgtca aatggcccgt 240
aatttaagca gagtagagta agtagaagaa taaacatggg gaaagttcca gcaacagagg 300
aggctttgag cttttgctct tcatcttgag tggatgttgt tctcaggtgg taataggcca 360
tcgagctttc tccactggct gnctctctgg ggaacaaata acccgaaaag atactcagca 420
ccctggttgg tacataggtg gtcagttgat ttatacttcc tggttttcag tgttgcttga 480
attttctaaa tggaaacaca gtacctttat aatcagaaaa caatcccnag ttttgatttg 540
agggtgttgt aaaaaaggtt natanttttn tattataata agctccncng nccntnttaa 600
aaaacnttt ggggggncgn tnttangntg anaatcccca nancttgann nagatatanc 660
tttgtnatgt ngtttgnggg nanaaaccnc nctctctnan aatatatntn ctnctcg 717

<210> 2323
<211> 773
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(773)
<223> n = A,T,C or G

<400> 2323
gtttatcctt canctcttgt tctttttgca ggatcccatc gattcgaatt cggcacgagg 60
gatagcccac ctcatgttcc tgttcctgaa ctctcaacag acactgttat aaatgtgatc 120
actaatatga caaccaccat ncagagtctc tttccaaatc tccaggtttt ccctgcgctt 180
gggtaatcat gactattggc cacaggatca actgcctgta gtccaccaag taaagtgtac 240
aatgcagtag caaacctctg gaaccatggc tagatgaaga aagctattag tactttaagg 300
gaaaggtggt ttttatttca cagaaagtta caactaatcc aaaccttagg atcatcagtc 360
taaaacacaa acttgtacta cggcccaaat ataatgacac tgaacaagac ttgacccagc 420
caaccagttt gaatggctag aaagtacatt gaacaactct cagcagaata aggagaaggt 480
gtatatcata gcacatgttc cagtggggta tctgccatct tcacagaaca tcacagcaat 540
gagagaatac tataatgaga aattgataga tatttttcaa aaatacagtg atgtcattgc 600
aggacaattt atggacacac tcacagagac agcattatgg ttctttcaga taaaaaaagg 660
aagtccagta aattcttttg gttgtggctn ctgctgttac acccagtgaa gagtgtttta 720
gaaaaacngn accaccnatn ctggtatcag actgtttcaa ntatgaacct cgg 773

<210> 2324
<211> 733
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(733)
<223> n = A,T,C or G

<400> 2324
ctttnacctt ntncgantcg gcacgaggga tagcccacct catgttcctg tacctgaact 60
ctcaacagac actgttataa atgtgatcac taatatgaca accaccatcc agagtctctt 120
tccaaatctc caggttttcc ctgcgctggg taatcatgac tattggccac aggatcaact 180
gcctgtagtc accagtaaag tgtacaatgc agtagcaaac ctctggaaac catggctaga 240
tgaagaagct attagtactt taaggaaagg tggtttttat tcacagaaag ttacaactaa 300
tccaaacctt aggatcatca gtctaaacac aaacttgtac tacggcccaa atataatgac 360
actgaacaag actgacccag ccaaccagtt tgaatggcta gaaagtacat tgaacaactc 420
tcagcagaat aaggagaagg tgtatatcat agcacatgtt ccagtggggt atctgccatc 480
ttcacagaac atcacagcaa tgagagaata ctataatgag aaattgatag atatttttca 540
aaaatacagt gatgtcattg caggacaatt ttatggacac actcacagag acagcattat 600
ggttctttca gataaaaaag ggaagtccag taaattcttt gtttgtggct cctgctgtta 660
cacccagtga agaagtggtt tagaaaaaca gaccaaccaa tcctggtatc agactggttc 720
agtatgatcc tcg 733

<210> 2325
<211> 897
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(897)
<223> n = A,T,C or G

<400> 2325
atantccntc taacttctgc ctgaggtcga ctctagagga tccccggtac cgactngaaa 60
naaanatata ttgagccttg ngacgagccc atntctnctg taaatnangg gntccntttc 120
tgactagaan ncnncagtgt ntctnggccc ataagtnttg ctgcncttgc gtnttttatt 180
ttagnngtnc atgaacctac aanggtggcg tcacttctgg gtacantttt ttcaaaccac 240
atngttttca ntcngccntt ntngttgntc ctaaacttgt aactgcccca cnctnanggc 300
tgnnggccnt tattnnnaan gggcngtcan aaanttnttt tngatngccn gnngtnaaaa 360
ttaaaaaaaa ancttngggc caaanggggg gtaaaaactc tncattttgt cttcttnngg 420
ggttctcngn tttatttctt ttngncccgg ttttncccgn gnncttccct tttttccaan 480
anagngnttt atatgggtgt ccccctatcc ccaatnggaa gccagtcccg ggttanacca 540
ncncctccca ttaaccncct ttattacccc nggnggggncg tccncggttc agggnattcc 600
caaatttant tgnttcttga nggggccntt ggtncngnaa aaaanctttg gnggggcctg 660
tnnctttcaa cattattngg gcnntcctct naaaaaancn ngtttttnng ccntttgncc 720
gtgngaagcc ccnnttttta nncnaggggn nnnttttttn nacttgggan aacnattanc 780
ctnntntggg tatttnttgg ntanacngan tttgcnnttt cgctttggta aaannactnt 840
tacaaaanta ccgattacaa attacctcat tctgnggnat gcacntctgg gagnttn 897

<210> 2326
<211> 874
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(874)
<223> n = A,T,C or G

<400> 2326

nctctnctta nataatntta tatcnanttt attattttan ntnnatctct tnananannn 60
tngtnttann ntngttannn ttactnntta nnancnnnnn nnnntnntga acccccttaaa 120
acnnnncgag tnanantcac anatgactgn ncgatatagn aaagctatgt agacatnttt 180
ggagctctta ctgtnctaaa ctgnacagct gtgcttaaaa cccttatttc atataaatgg 240
ccttaagttt tctaattcaa gcgggttttt ggaaaaatnt atggtctcca ttaaaataca 300
tattacaact ggggtagatt atttgtggtc cagtgtctgt gatttaactt tgcgttttgc 360
tatctgattt ttatttttca caggggctaa gcatgagctt tcattctcac tcactcttaa 420
tttgtcgagc gtcactacac atgcaccgtg ttgcagtccc ttgaggccct gtnntgttaa 480
tctgtgatgg agtgtgaatt gtgtaacggg cactgngttt acactctcag gtgtttggcg 540
gggccggtcg cagacttcaa tggtcccctn acggaaaagg ccaggctncg ngtggacggc 600
caaacttncc tgccccgctc cttcagcang tgactgtctc tgccantttc ttacctggct 660
gaaggattct tgctcaagta agctggaaca aatgctgctt gtcacacagn ctttttctnt 720
tgaaactttn angaaggctc ccttngtnca ccaaggcaan tggggagctt gtagaaccaa 780
cccgnanncc actttgcccc acaattcant tgctnacctg gcnttcaact gngaaataan 840
gtttaaaggt ncacccgggg actttctnct taag 874

<210> 2327
<211> 730
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(730)
<223> n = A,T,C or G

<400> 2327

ttgacnccnt tcgantcggc acgaggagct gatcctgcat catgcccggg ccagcgagtg 60
cagggacgtg gaggggttca aaaccgagat ggccatgctg gtgacccagg ccaggaagaa 120
caccatcacc ctggagaagc ttcatgtgtc cagccttctc tctagtgtct ttaagttgct 180
ggatgactca caaggtaaag cttgagagca actttgcctc cattgtgttt gccatcatgg 240
tgttggaggg gcttggccgc tcactggacc ccaaactgga catcctggag gcagcgaggc 300
ccttctcctc acggcccagt gtgccccccg tgatggggca gtggcctctg tgggcccttg 360
tcaagagctg gaggccactc ccaagagcct ctcctatggc agctgggacg ttttaaaatt 420
gggacaccaa tttcaaatgt aaccctncag tggtggaagg cacaccatgg cttctctgct 480
tggtttgagg gtctgttcaa aagctttggg ccaattaggg agtaaaagga gggaaggggc 540
ctatccattc cattgtggaa gctgggccag gtgccaggga cactctcctt cagggaaaat 600
gttatgtgga ggaggacgaa taaatttatt ttgttttaaa aaaaaaaaaa aaaaaaaact 660
cgnnccttta aaactnttag gggagnnntn ttaccgtaaa atccanactt gataaaaana 720
nattgatgaa 730

<210> 2328
<211> 855
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(855)
<223> n = A,T,C or G

<400> 2328

nnatcctntc tcagcttgct gcctgcaggt cgactctaga ggatcccctg tacacgagct 60
ccaannnnanc ctatantgag ccntnttaca annccnctgg ncgccgtaaa ncangggntn 120
ngaatntgan naanaantan gcaantgttn ctgncncnta agtattgctg ncttgcctat 180
tttactagtg taccnatact acaagngcgt actctggtcn tttttcaacn catgttntat 240
cgctcnagtt ttctacttta tgtgagcaag ggttgctgtn caaggtgtaa atattcaacg 300

ggaataaaac tggcatggga aatttttnct acgnccnnnn cncnctttt gnctctttca 360
aaggttnatn ncccatccat gancnnnntt ttcccnctcc aatntttaaa tcnggggcnc 420
ccttnagggt atcnannnta ngngttctgn gggctggggt gggggnttgt cntgggggaa 480
ctgcccttta antnttaagn nacactacca gaaaaacaca anaaaggtna tgggnacngn 540
gtgnatgccc tggatttgga aaagctnggg nctccgancn tcttnttngn ccttgggncn 600
nacggntatn antcttanna gctggggtnt tnantttctt ggnaancttg gnnccgnntc 660
aatttttgng ctttttnnga ccccnggntt tgatttaaaa aaangggtgc tcttnccatt 720
taaccnaaaa tacctttanc cttctaaatt cctttnccnt nnaaaggctn tccccttgn 780
cagatncncg ngggacnccg annaanttgn tccntaaccc anttttgat gggggggtat 840
atanaacccc atntt 855

<210> 2329
<211> 1194
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1194)
<223> n = A,T,C or G

<400> 2329
gatnnntnaa acnccccttn tttnnccaaa aanccttacc ctgggtgtgc ttttttttg 60
gnnnaagggn aaacccccn atccggaatn tncncnncat atcntgngna accggaatnc 120
catctcagga ctacacatgt atggagaana tgaccgcata tnttttttat tcaaancgcc 180
tacatatata tcacctcgca ccagacagng gggggttttn ttntnntnaa cnaanngcna 240
ggntaccnct nactgangaa gnaaaactaa naaaatnnat ccacagtaat ananaaaaaa 300
acnnatgnat caannngnac cagaatanca agcnatanca ncanccaaca nanannagan 360
actnnngaaa aaacanaaca cccntnntac naanaaanna cacgannnta naattgatta 420
cagacgnaaa nncantnnaa aaataaccat nccttatcnt antaaanttc aaaaannncn 480
tacaaaaaac annaatanga ntaaaacnaa nttcncannn aganagnana gaaanacgaa 540
aaatanatnn ncattanncg ntnnanctat ancacanaac nctganaann cccaaantat 600
gnaaataaac ttntntnntn caaacngnnc atncgancnn tgaaatnanc atactaatnt 660
anaaaannen ccanatnann cactaaaaaa tnnacanaat aaacnacact anancgtatt 720
nangtanaca ntnaacnatn gnganntgat cctncacatt atntacnaca taacacatan 780
antgtnntnc ttngananca ttnacanncg nnacatatat agtatnnata ctcatnaccg 840
tnncannata tntaacactc gatctaaana gatacatatn caatananga aatagaaact 900
naatanatna atatcgagag gatctanntn taagcaaaac tnanantatc ncttangtnc 960
ataaannatn gtccnactna nctatcaaca taanatagnn tanacatttt acctctaccg 1020
cgngcgttca tntatcaaca cacaataatt attcgcantn atntactaaa aaactccnnn 1080
atatntnctn ccgacatnan atatctgtaa agaaatgtat actactancg cntngaanat 1140
ctatatgatc acnttaacnc tnacgnnang taanatntat nttntnncnn ncgt 1194

<210> 2330
<211> 727
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(727)
<223> n = A,T,C or G

<400> 2330
ttnancaccg ntcgaattcg gcacgagcac aggccctttt gtgatgcgtt ccacgtgtag 60
gagatgtggt ggcccgcggc tccatcatca tatcgccctg tgtggtctgc aggggagcag 120
gacaagccaa gcagaaaaag cgagtgatga tccctgtgcc tgcaggagtc gaggatggcc 180
agaccgtgag gatgcctgtg ggaaaaaggg aaattttcat tacgttcagg gtgcagaaaa 240

gccctgtgtt ccggagggac ggcgcagaca tccactccga cctctttatt tctatagccc 300
aaggctctct gactgactcc gtcccagatc ttctcagctt aacggctgaa gactgacact 360
gcccgatcgc ctcagaagcc cccgaccatc acggatgccg agcttcgggt aactctcgca 420
gtggaaggat gcttcttatg gtcaaagaca ttcatcttcc tgataggaat gaagtggaaa 480
gctccagcaa caacagtcaa gtaatggctg gctcttcact tgaaaattat acaatataaa 540
aaccgtgttt atgaactctt tataatatta tctttattat ttctataaaa gcagaatagc 600
atgtgtgtat gtgatttaat tctaactgtg caaataaaac cattaaaacc aaaaaaaaaa 660
aaaaaaaact cggccnttta aaacttttgg gnggcntttc cgtaaatccc aacctgaaaa 720
natcctt 727

<210> 2331
<211> 1120
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1120)
<223> n = A,T,C or G

<400> 2331
nttatncgtt acaagcncct ggctntttgc gcgancccтc gattcncatt ccgngccagg 60
gggngggaag aaattncccn nnaattgggt gccnncccnt aaagggggcn ncttgggcgc 120
ggcccncctt aaccgtgnga tgggaananc cggagnataa ggaaggtncc tannctnggt 180
gggntcctta taaaatttcc tcnngatncc ttggagaagg cggacntcan ngttttanan 240
cagnttattg tcngtccnca gatctctaaa tncattttgg ganctanctt ttgacccctt 300
taggtcagaa anaaaatctt gggaagcctg gggctttcct ggaagggtca aagaaggtaa 360
ctttcagggg ntttaagcca gggaattggg ccattatttg caccaccctt aaaccctttc 420
cggannatcc attcaagcct ggccctttтc aaaaccattt ttaaatttng ggcccagggg 480
tttattggaa ttgggncaaa aaaaattccc aggggaaatt cancccttca agccaggttt 540
aaaattaaaa aanttaaaaa ttaaattntt ttggggnccn aattanttgg ttacccccgg 600
aaaaattttt ccccaaaaat nggggaaaag tnggcctttn ttccttgggg gagggagggc 660
ccaggaaaan ccantgggaa tggggacccn aaaagggggt ttccggaagg gaaaaaaanc 720
caaanccttt ncccnccccc ttanttggna aaatttttgg gaatttttтt tttcccaaaa 780
aaagggttcc tttantttng gggnaaattn ccccttccgg tnccttgggt cctttncccc 840
gggaaanccc ncccnggccc ccggttnntt tccanccaag gnaaaacctt tttntttcca 900
aaaaacccct tggggggggg aatgggttcc ccttantttt tgggaatggg nttttttttg 960
gccttngggg ggggtttngg gggnccccct ttttgggncc nnttttnccc cggtttggnc 1020
ccaaaaggga aaaaaaaacc tgggccncct gggttntttt tggnccccaa tnggaatcct 1080
tccaaattcc cctgggnaat tccttccatt taaaaatngg 1120

<210> 2332
<211> 720
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(720)
<223> n = A,T,C or G

<400> 2332
nctaaccntt ttcgaaccgg cacgagggcc agncagctgc tcacactgna caccacctct 60
atnntcctgc gcctntgacc tgtcgcctcc tgcccggacg cccgcctgct gncngnntgc 120
gagggcggat gctgctgntg ggacgtncgg ctggaccacc cccaaaagag gagggtgtgt 180
gaagtggaat tcgtnttntc tgagggctcc gagcatntgg acggagagtg gatgggctgg 240
catttgtgaa tgaggacatc gtngcctcca angggagcgg ncngngcacc atctgcctgt 300
ggagntggat gcaaatntgg gggggacgng gcaancagna canaatgnca ttggnggtnc 360

ttgngctgct gcnatggana gccaccgatt tgcctactta tcctcagacc ctgnnctgat 420
aaggggattg tgctctgagg ggatgatacg gcaacntgtg gctctacgat gttaacgaaa 480
tnctgaagca ngacaccnct gatgctggta nccatgtngg ntgcacacag atactganat 540
gnncccaacc ccttggccct tgnccaagtg gngaccaaaa ccatggtnaa nacantgggt 600
gganaatgnn tcttcacata cctgnacgac atganggact acanaattta ccatctggng 660
gangatgtag acntacacca tcccaaaagn accnnngnca cannttanta anttattnnt 720

<210> 2333
<211> 789
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(789)
<223> n = A,T,C or G

<400> 2333
cctaactctt tcaaccccng gctttttgca ggaccctcga ttcnaattcc gcacgaggag 60
agtggcnccn taaaaagctt tttttgagna ccgggacccn naaaggacca ccnnngncag 120
gaccngattn aaagaattnt ngaccngccn gggggggacc ttcaanaacc cancctgaga 180
gggtccaacg ngaagggagc tntntttgaa gagatgctgn cnccactgca catgtcacaa 240
agtgtcagat gnagaatttt agggctggan ggaagatgta aaagatgaaa aatgttttcc 300
ttatcacttt tctttctcca cccactcagt tgtctaagaa gaaataacac tgtaaggaaa 360
tttaaaaaaa aaacatttag aggattatgc ttgttttgag tggtgcataa gggaaaaaac 420
tgacttttt ttccatattc tgatttttaa ccagaaaagc cactcattta atagatgtag 480
gggaaaccta gatattgctg ccttttggaa tgggggtagg gggggtttac ctgggttttt 540
atgacccagg ccntaagatc tattatattt gctttttaaa taggcatgat gtggaaatac 600
catcttggtt tgagatgcca ttgaggattt ttaatttatt ggaaagcaca ccatatgcca 660
ttatatttat tggaattcct anatgccagt attgggntat ttaaattggt naaactttat 720
gaaaacctgg gaaaaggttg ttcaaggttt ataaaaagcc ttaagtgatg ccnnccctct 780
ttaaaanct 789

<210> 2334
<211> 794
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(794)
<223> n = A,T,C or G

<400> 2334
ctttgaaccc tcgantcgcc cgcacgangg atttcttggt gntggggacc tattntcann 60
gctttnggcn tntggntacc nggggttnna gattangggc ctttnatacc tnnngnnccn 120
ncaaattttt ttgncggatn aagatngtnt gttngtanct aangtnaanc ttnnaaccng 180
accctcntcc ngttttanta angnnttttt gcaacctnct ggtaaatngc aaaatcaatg 240
gccaatggtt aaccaaagaa ggaaaacgtt ggggtgggac tttgtctctt gcaccggtat 300
ttcaggaaca atctggcttg ccatccccac agctctttaa aactggctat ttatgtgtgc 360
ctttcattct tacatttcta atcatactgc aggaaaaaca ttggattcag ctttagactg 420
anggaaaact ctccattatg ttgtaaagaa attatagatg tttgagagac actttttgt 480
taaaccagat attggactcc agcaactatt gggggggtata tttttagttc attgntctca 540
tttaatggct aaaatatccc tttatatttg gcttttaaat aaattttcct ttttttcctt 600
ttttttttttt tttaaaccgg gagncntccc ttnttgtttn cccagggctt ggangggca 660
aggggcaaca naaacttngg ggtttttttgg naacccttttt gnttttnccc angggtnaag 720
gccggaanaa tnccgggant tcagcccttt cgggagnaag ggggggcnct ttcangggg 780
cgtggccccn ctng 794

<210> 2335
<211> 729
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(729)
<223> n = A,T,C or G

<400> 2335
ntttnaaacc ccctttnnna aacangggaa cagtgtgtaa ggaacttgtg cacatcactg 60
actggtaccc cactctcatt tcactggctg aaggacagat tgatgaggac attcaactag 120
atggctatga tatctgggag accataagtg agggtcttcg ctcaccccga gtagatattt 180
tgcataacat tgaccccata tacaccaagg caaaaaatgg ctcctgggca gcaggctatg 240
ggatctggaa cactgcaatc cagtcagcca tcagagtgca gcactggaaa ttgcttacag 300
gaaatcctgg ctacagcgac tgggtccccc ctcagtcttt cagcaacctg ggaccgaacc 360
ggtggcacaa tgaacggatc accttgtcaa ctggcaaaag tgtatggctt ttcaacatca 420
cagccgaccc atatgagagg gtggacctat ctaacaggta tccaggaatc gtgaagaagc 480
tcctacggag gctctcacag ttcaacaaaa ctgcagtgcc ggtcaggtat ccccccaaag 540
accccagaag taaccctagg ctcaatggag gggtctgggg accatggtat aaagaggaaa 600
ccaagaaaaa gaaccaagcc aaaatcaggc tgagaaaaag ccaaagaaaa gccaaaaaaa 660
aaaaaaaaaa ctcggncctt taaaactatt gggngcntnt tcctaaatcc ccacntgata 720
anatccntg 729

<210> 2336
<211> 825
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(825)
<223> n = A,T,C or G

<400> 2336
agtgaacctt tgnactcnnt tttttgagga ccatcgattc nattcggacn aggttggaaa 60
tgaangcatt tttttttntg gcntatatcc ntgacatatg gggggnantt ttaaaacnac 120
ngngcctaac cgtgtttntaa aactttggna gtaaatgaac nttngaaatc cnttttgata 180
aacctgctgt aaangttttt tccccccttgg ngaangtttt ctaactttgc ntgggtaatg 240
gcaattnact aggtgcggng gttctaaagt tcgaaggcac gatatgcgtg tccatcctta 300
ccaaaggatg gggaccgcaa accgagccgc caccggcact aacctatgac cttctgacct 360
ctgaactctt acccatngat gacctgacca tgcctgcctg ctgatcaagt taactgggta 420
atcgcctttg cnttgcctgt cgtcagtggc anccgaagcc tgaggcactt gntccgttcc 480
gtcttancct tntaacccaa accaaaagga caaaagaaaa ttggttggnc cttcnacctc 540
ancnttttt ttttttttc ctggtttggg gtggaaaaag tgggttctaa aaaactgcac 600
ttggaataag ttangtaaaa gccaattaag ggncccaatt tcattcccac aagcacttgg 660
atcaatcttt ttaaataatc ccanccctta agccgaaccg ggtaagaaag ggccctnttt 720
ttaaanaaag ggggaaaaaa agatnggncc ttaaactanc tcaatggaca gaagggcagt 780
ttacctgggg gaaaaaaact tnttanggaa atctttttn ttttt 825

<210> 2337
<211> 778
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(778)
<223> n = A,T,C or G

<400> 2337
gactnactct ttnaactact tgttcttttt gcaggatccc atcgattcga attcggcacg 60
agggatagcc cacctcatgt tccttttcct gaactctcaa cagacactgt tatanntgtg 120
atcactaata tgacaaccac catccagagt ctctttccaa atctccaggt ttccctgcgc 180
tgggtaatca tgactattgg ccacaggatc aactgcctgt agtcaccagt aaagtgtaca 240
atgcagtagc aaacctctgg aaaccatggc tagatgaaga agctattagt actttaagga 300
aaggtggttt ttattcacag aaagttacaa ctaatccaaa ccttaggatc atcagtctaa 360
acacaaactt gtactacngc ccanatataa tgacactgaa caagactgac ccagccaacc 420
agtttgaatg gctagaaagt acattgaaca actctcagca gaataaggag aaggtgtata 480
tcatagcaca tgttccagtg gggtatctgc catcttcaca gaacatcaca gcaatgagag 540
aatactataa tgagaaattg atagatattt tcaaaaatac agtgatgtca ttncaggaca 600
attttatgga cacactcaca gagacagcat tatggttctt tccagataaa aaaaggaagt 660
ccagtaaatt cttttgtttg gtggctcctn ctgntacaac ccagtgnaag agtngtttta 720
gaaaaaacag accaccaatc ctgggtatta agactggttt cannaatgan ccctcggg 778

<210> 2338
<211> 940
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(940)
<223> n = A,T,C or G

<400> 2338
cgggnnnnnn nntnancntt nncgntncnc ctttttacct tccagggncc tttggccctt 60
ttaannangg ttttttngga agaaaaanaa tggaacnttt gggaaaagna agntccaatg 120
gttggntggn tttggggccc acccgntttt tnattggggc cctttccttt tccaagnaag 180
ngtttcaaga accaangnaa angttattgg aatggaaagc ccctttaag ggtggtttac 240
cangaaaant ggcacctaaa aaatggggga ataaaaggac aaatcttcca aaatctttaa 300
ngggggancc tttcccttta ctacagaatt caaatgcgag atcttggagg ggttacaggg 360
gaaacgaggg tatcagttac ttcagcttcg actgcgcaga gagcatcatg gattggtatc 420
tattgttacc atttattaga agattatgaa atgcacaaag atttagaaaa ttaggaacca 480
cagcatcctg caaggtggta tgaaattagg actctcttat tcagatcaag tcttcgggag 540
caggctctat agagaacttt ggacatcttg acctatgaaa agcagatttg tgataacttg 600
ctgtagaaga aaccaaaggg ggaacttctt gttgccaact attgtcgttt gggaaagaaa 660
tgctgcagat gtttatagga ggatttgcaa agagaagaaa tccttgaaaa acttggggcc 720
ctattaccaa aaggctttgg gaaaaaaagc cacttccaag cccnagcctt anattntggt 780
tttaagnaac cgggcnttaa aaaaaatttt attggaangg gaaagncccc tngggacctt 840
aaaattnttc cccaaggggg ggaacttggg gtggcccnaa nnaaaagggc ctggccccgt 900
ttnaaaaacc ttttttttt aattcttngg gggnggggngg 940

<210> 2339
<211> 1481
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1481)
<223> n = A,T,C or G

<400> 2339
gnnnnnnnan gtnnananna nnannnnnan ncnntnanna aggtnannnt nnnngaaggg 60

ggnngnnnaa nacgnnngnn nannnangtn ngatggngga ganannnnnn nnnnnnnnng 120
ngcgggatnn nnnannnnan nnnnnnnnnn gnggaagtaa aacccctntt nccaanactn 180
cnccgggngg nccttttnttc anagaaaacn acaccgnggn gnccccccnc ggtggggggn 240
agacgannca tcacatacng antntgtagn atntgaataa taatatttcn tgntcganat 300
ttactngctn ctgnactnna tgcgggggggg gggggtgtct ttnatatnnt acgnatggcg 360
ncccncctat nnagttaacn tanactangn ggnnngancn ggncncncgg gaacattnan 420
cnnnnatgna ctgantcann naaccactga atcgcgntng tgnaaannnc tanngcttta 480
tgnacgaatn anggaaaaga atnttncnag cgcganantn gcaggcaann nnnantanna 540
gntncanngg aaaacgtnca gnangncgta ngnacancng gtatnncgnt anangtnnta 600
acntnagncg gnntggtann tntagcantn nncgatgtnn gcgagtanga gtancancnn 660
gatgangcga tatntgcatc tcgnntatng tgagnatnta tgatacagnn agatcnggga 720
agacannaag ngcgcgaatg ttgnaatata tngactgagt gnagcangcg cgacgnntcg 780
cactacacac gagangngtn nctcgcattt gancttgaat nnacaccgnc gacanacgan 840
tananatcgn agnntannga canatactgg gtatatctct acgacngana gngtatantg 900
actcntctta agggagagag tngnacanna gtgacgtnta cgacangnta cgacgagtnt 960
gcngagaaca gnagagacta anngantaca tatatgtnga tgtgaagcnt agtannggcn 1020
atctcgggtc gtatcnnaga tgtatcatag nntgacacgn cgtcncgagc ncacncanan 1080
cgcgtncngc cntnacnnnc atnntgntat atnncngnnt gtgttacana tagaatntcn 1140
nactannnag cgnaatatna nnangcnata annncnnntg annacgacnc gctncngnan 1200
nntgntanta tgagaagtna atcangcnnt cgntnggaan natcgntgcn tntcgggcng 1260
nccngntnaa nttnnatgtg ngnnnnnagn nnntnnnncta tnnatntann nantacagan 1320
ncgacangnn gnnaanagag tgtanntnna cnaggatagn aagnnagggn ncnnnacgng 1380
ngaggngcng nagnnaaant gatgatgtaa ntanacanng caaanngtng gggantcnna 1440
aacncgntna tancngnacg ncnnaggaga nagntnagcg n 1481

<210> 2340
<211> 740
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(740)
<223> n = A,T,C or G

<400> 2340
agtttananc cnctttantc ngccgagaat aaataatggg gacctggtta aatagcttct 60
ctacagccaa aanaaataat tgtcaaaata ancngancan ccccccagaa ccgggagaaa 120
gantaggaac ttngtaanct gtgccntgtg gacaaaagaa cctagttttc cagaaacctc 180
caggggaact caaatcagcc aagaaaaata aataatccca ccaaaaagtg ggcaaatgac 240
atgaatagac atttctcaaa agaagatatg caaatggtcg agaaacatat gaaaaaatgt 300
tcaacatccc taatcattag agaaatgcaa attaaaacca cagtgagatt atcagcttat 360
tccgtctaga atggccatta ttagaaagtc aaaatacaat agatgtttgt gtggatgtgg 420
taatgcttat acactactgg tgggaatgta aattaataca acctttatgg aaaacagtat 480
ggagattcct taaagaacta aaagtagatc taccattcaa tccagcaatc ccctactggg 540
tatctatcca aaggaaaaga agtcattata tgaaaaagac acgtgcccac atatctttat 600
tgcagaccaa ttcacaattt caaagatatg gaacccccta aatgcccatt gccaatgagt 660
gaataaagac aacgtgatgt atatgtattt cncccatgta atactactca ccctaaaang 720
gatgaagtat gtgtttgcac 740

<210> 2341
<211> 1704
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1704)

<223> n = A,T,C or G

<400> 2341

nacgnngnaa nnnaaganng ggnnggnnnc nngnnaagan aacnnannnn naanangaac 60
gcancannnn acacangnga gagnaancan gnncgnnaga cgncaaangc gcannncgan 120
annaanncga cgnnnnacnn ncagnnacag nncacggaga cgaacnnnac annncncagn 180
acagannaaa cacagcgngc ncancanngc nncnnccccc cccnnnnccg nggaaacacc 240
cccttnnnan nccccccncna gagaaaancg gggcctcacg anncnacggn aacgaanggg 300
nccnaagnng ggggngnaca aaaatttacc acaggggcca ggaacaacca ccgggggggg 360
caaactgncc aaggngcgag accatactnn ggcaagaaag ncaagncata ccagnacaac 420
ngaaaaacag caccaaggac ngactggcca aangnctgga gganggacaa cnaanangaa 480
ngnccgaaan aacgaagccn angcngcnna atgggnnncn accacgnann cncgaangaa 540
aganggacca nnaanagngg anngcngagg gnacnnacaa gnaanncgaa nnaaggnnnn 600
ntgaagngaa cnnannacac naanngnagc nnacncgann cacggnacgc cacagcagan 660
nccagacnna ancnngcgga aggcggagcg aacgacacaa ccggccccca nngggggggg 720
cncgcnccaa nggaggggca caagnaaacc aaagngggca cgnnanatat ncangnncga 780
anaaacanca anganaaacg cgcccagagc aaaacanann caagacacac accacncncg 840
ggaggagggc aganacngca naaacagagc gagcgcagag gngacaccaa aaacnaacnc 900
agncacncgn ggaagcaaan agngnnngac gnacnnnnnc ngcgacggga tacgngggag 960
agacancanc acgnacannc gaccganngc gcgnagacan agacagacca ncnggcanac 1020
gagacngacg ncacggnnaa gatnacnnna cgacnngacg cgngacngag agcacgagaa 1080
anacggggcg naagaaacac gnaannngnc acacgcgcac ananagngan anangnaaac 1140
gacnnaaaga caggganggag aaagnnggga cacgngannc anncagaccg acacnngagt 1200
gngacacagc gggagaaaca cgngactaan acacgaacac gcagcnanac acagagnaga 1260
cagcgangaa gacacagnna caagcgcgna cgacgacacg nacgnaaagc naacngacac 1320
gcgnacgang angcncngac accacgagaa cgacgancgc ananacacnn gngaaagacg 1380
cncncgngag acanacgcac gntgnacgga aagcganana ncgagacacg angagacnac 1440
ncgcacacaa cacnnanang cgnggacaga ncacgcacaa cagccgacac ncgcgnnncg 1500
cggcncaccn nacncgcgga cnncaancnc gncaacgnnc ncncnngcgc ngagacacnn 1560
cgcacncaga gacagaacgn gnnnacacng acaggngann cnacacacaa gcnancncgc 1620
gcgnagacgg nncganagac ngacgagaan ncacncacaa acgcngnnaa cgnnnggnaa 1680
cancnngccg nancncacaa nccg 1704

<210> 2342
<211> 815
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(815)
<223> n = A,T,C or G

<400> 2342

gatctacatc tcctnttact cagntcttgg gcattggcct tgtnagngtt gcgaacctct 60
tagnagggaa tcccccantc tgngcacacc gcaagccaat ctnnattnaa aagtacgnta 120
natcccttat agngtagnga nttttttnta ngtaaanacn aaaattttcn ccctcgnncc 180
cgctnaaant naccgggggg gggggggccgc ttttttttttt tnnaactata gcaaaaaaaa 240
aataatctct ctcgcagcat gntataaccc naaaaaattt naatatactn tccttatggg 300
ctcncttaac taaatnncac ttttttcgn ntaaantttc ngtcnnnact aatatnttna 360
aattnagggc ctcaaaatnt aatncttata tttaccnaac ntngttccnc aaanctnact 420
annaaatntn tatcctnnct ntntnnnggc ataaaacacc anacngngtg atgggttanc 480
gcagngcgac cnnttnantt gccagtccta ctcccnttnc ttnntttatn cttnntantc 540
ncanccatnn nattatacta annttnaaag gattcacttt tttccntaat cncattnnta 600
aaccttacga ttntnctaan ttgtttanag gcttcatctt gacannnata taanggctgn 660
gtacttttta atatagacna ctgacanctn acccatncgn nntntgatta tatgatncca 720
atctgccttt ttaaaaatac tattanaann ttaccaattn naanattang ntnannantc 780
gannttattn tntancnttt anaacattna tacnn 815

<210> 2343
<211> 1440
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1440)
<223> n = A,T,C or G

<400> 2343
aacacncacg actnttngtc aaaancgngn aaatannntg gcatcnnatt ctcaaanccc 60
gaanatanca gcgnnntctn nnnaacatca gcgcgngaca cngcanattg nagatattnn 120
gagtgatact agtgaatnna gncgnaaccg gnngataant ganagcntaa nnanacnagn 180
gacatcnngn ntncnncncn gngtttgnaa aacccccccgt tacgcggcac atacacctnc 240
tgatnngnng ctatnnngtn gagactcatg aagatcagcc gtncaacnct ananatcnnc 300
tcgactactc ccacagcggg gagagngggn gganatctaa tcanganaca attnataatc 360
tattaactaa atnancnctg ganaccnnnc anaggngggg ggggntgnga atnctnggag 420
acnanaaact naacnnantn tncancctgn ttnatnactn nganngnanan nnacgnnang 480
anngnnagcc nanggagnat gatatnaacg cgatnnggga tacnnngaag ncngtggnaa 540
gtananngan cgnatagnan nagancnana atnatcggta nngaggngng nnggacatnc 600
cgatatntng ancgccntcn attgantnna nnnantntnn ncataaatnt nananttngg 660
ntgagnatan anncaangtt gnaatacnna cnnnaanagt gnatnanntg ancngancnn 720
ntncatacta ncttgnncnn nnaacctnct tgangcnnnt cgcncgnaat cntantgcga 780
nannacntnn nnggtnatgn angntnnnga ganttntanc cannnntnng nnatnntanc 840
ncgnnttcnc natncgantn nncagngann ntnaannnng gnatcgncta tcntnacgct 900
gcnnancaag nnaangngcg tntctanatc gnnaggnnct ancncnncan cntgcancac 960
ncattgttca tagcagccan ntcncannnt acanagtnng tcncgaagan cctnancgaa 1020
nctgananan tangcangca ngnganagca canngnagan cgacatgttn ncgaggtgtc 1080
gnatncnctt nagannagnn gacanncncn gnactcncgc gcatancgcg cntananncg 1140
agctgctcnc ggtgcnacnt atganannna tctgntanan aacaaanang cgngtgaact 1200
ncctatcatc agggnncnct ctannnattg atacgtanct tnatagnnct aggnatnatc 1260
nggcangacg gctgntgggn gnnanncacg ttatacacna ncngcnnnag annannacta 1320
ngtnanncgg gagnaganat gnangctcnc actactncnc anacganngc ntctgtncan 1380
aaganantgn ncanacaaan angtataact gtgngncatg cgncaannag atacaccgcc 1440

<210> 2344
<211> 919
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(919)
<223> n = A,T,C or G

<400> 2344
gatannnnct ntctcaagcn tgcatgcctg caggtcgact ctatagganc cccgngngcc 60
ganctcctnt aatatcntnc anatganttt tttacaacna ctgnctcgcc cttctacggg 120
gggnnttttt tgactaaaaa natncntccn tttaacntan ttaacctncn tgnagataac 180
nnccccnttn anccngctgg atntaataac taantaacnc ccncaccnga tcgnccttcc 240
aaacattntc ngctncnatg antatngaan ngcctcnccc tncacnnacc aantcacncc 300
cgggnnggnt ntggntggtt nacnacacaa nnntnatcan attcantatg ncannnnatc 360
taanctnnnc gttcctttnn ctttnctacc ctntanttta ctnagacnan ngtacgccct 420
gnntctnngt cnntcaaanc ntttnaaant cnnanagctn ctttttaagg gntaccanga 480
tttaatgncn tttaannggg aacccttcan acccacaaaa aanaactttt nnnntaaggn 540
tcggattggt tcnnantgtt nnatgnggtc tattcngtcc ttgaaanann aatgggattt 600
ctnccnnccn ctntctggan cgggattnta agnnccacnt tncnatntaa aattangncg 660

gnnncttctt tgnccccaa aacanntgan ccnantaaac cccagctcct ttcnggnnng 720
agnttaattt atttattgta ataaaanaaa gggaatttgc ntcacnantt ccnggacnta 780
attgaantaa aaaaatcagc tttntanaaa acaaannnta acncnaaatt tccnacccaa 840
antanttanc tncntaacca nnttcntngc nagcnnntan ttcctcntta aanaactntg 900
gggggatttg naacncccc 919

<210> 2345
<211> 724
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(724)
<223> n = A,T,C or G

<400> 2345
ngttacnncc ntcgctaatt cactcttcag tagcttctaa aaaataagca tcatcaatgc 60
cattatccca gacagcatca gcagatgcac ctgttgacag cctgctaggt gatgggttta 120
tgaggattct gggtttcatt gctcctagtt tcatctgctt catctgttgt aaactcttct 180
tcctttattt cagtggtgaa gggatagaga gtgggatagg aaaatattta ctcaggatat 240
gtgatttaac cttatactct atgttgaagt aaggtattaa gtgacagata ctaaagtgaa 300
tatgcaggag gaatgctgtc tccgatatct caccgtggga atgagtgcac tgattcaaac 360
gttgctgcac tgaagctcag acacacttga aactccaaat ttgaaattac ctacagttct 420
gtgcacatac ttttcaatac tccccgacgg aagagcaagg gtggatttaa ttttttaaca 480
agtggacagt ccagctgaag acaaatcaga agataaattt gctatcttga caatggactt 540
agtacccatg ctttaaattt taaagtattt agcaaatcgt aaacatggat tgaaaaaaga 600
ttaaaaacag ttgccaaaaa aaaaaaaaac tcgnccttta aaactnttgg gnggcgtttt 660
nccntaaatc cnaacttgan aanaactttg ttgggttngg acaancncac cntaaaannn 720
nnnn 724

<210> 2346
<211> 1085
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1085)
<223> n = A,T,C or G

<400> 2346
ncngacnctt ncaactccng ngnntttaan gaacccncgg ggcccccnnc ggggnggtcc 60
ctaatnctta ccaacnacan nttncctcgt cacncnaanc cctcgacggn ngggnntntt 120
ttttnnnaaa cccttaaaac cctccnaatn aagacctcnn ancgntnncc gnngatnnat 180
gaatatccna tnaccncntg ttnactnccc ntannnntnt taccnagang nncngnttcg 240
cnacccnggg cacnctccgc annnatngtc cncgnngncg ttcgtataat aanntncntc 300
gctacggggt tgnggancat acggatctcn cnacaatana cctctgatan ataanncgga 360
aggcctcggn caatnntctn cgtccgtacc tntcgactct tcananatnc ngncntactn 420
catcnntgtg nncncgcacg cntccccatc gntgggcgnn tgngcgtnta ctngtgaana 480
ntcatntctg cnnacgaacn tncncatnca ntatttgagg gcaacacnnt ccnctacaaa 540
ntnncnccca tccngcgcag ggnggtctac ncanacatnn nnntatnntc cctnntcgcc 600
nnnaacncag gnnaagnnct cnngatccac cccncgnaan antnaaatac tnctccnntg 660
antnacctat nanagngngt tnngcccnnc naangtcntc ntntccaccn tcttntangn 720
tnnnaatngt accnnctnnc anngaggcga ncnnnnnncn anaagancca ntaatcaatn 780
cnctgtccca tngnnntnaa nttcntctaa cncnaacana ntgaanatcn atcncccgtc 840
ncngggtana ananangana taacnncnnn cntccgcgac natangttnn gnnnntgacc 900
ccctactata acncanacnn acnncngnnn gnnnngtncg cntnatggac nacgacctat 960

caaannccen anatacgngn cnattcccna tncnntctct gaatattgnn gncnngcaan 1020
ngacncccnc ncnangtgnc nnntgnncnn ganntncatc cnggntccan agcaantnnn 1080
ngncg 1085

<210> 2347
<211> 749
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(749)
<223> n = A,T,C or G

<400> 2347
agntttgaac cccttaccag tacnccgcna agannatttc aacnnnngtg nttnanncct 60
atgagannnt gctgnaccta ctgancctan gactgcaccn attcnanctc natnnagnat 120
gagatgncnn annggacata ttctcnanng nacnngctan atcttntata naccntggag 180
gctngtgana aantcgcana nnctcaacct gaatnngcca tnnnngacnt tganacattg 240
gnaacgctag accctaagaa natactgcaa tgagngctgt gcntttgaac nctatgacta 300
nnagcaagcc ngggangttn tgnctcagnt nanannctct ntanatattg aagagaannt 360
catgtttctg aagactccct ncaatgtgga tangataacn naatancaan ntgaagnann 420
tgctgngcgn ancggcnnnc acctntnann ccntnactcn tngaagcccn ngtnnntnna 480
tgncnaagtc ctgactncat nacnanttcg gtnnanataa tgnngccnca tcgntgcnna 540
nnatncnnca tgaanccgng catnngggcn cttnccngta ntcncngctn cctggtaggc 600
cnaggcangn gaatcagctt aaaccccgtn angggnangt tgctgnnggc ctagatnacn 660
caactgggnt tncagcntng ggccaccaga ggggagactt aattctttgn aagngtggnt 720
ncnatgaana cnntnannat tnttggtnt 749

<210> 2348
<211> 1678
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1678)
<223> n = A,T,C or G

<400> 2348
acntnacnna agnatcgnnn nncaannnnc ncaannтcga agcnancacn cancnannaa 60
cnaggggngg atactnannn naacncnaan acgctngaca cggaangnnn nnnnnnnnac 120
ccnnnnanan tnnntntncg angcagcgaa nacancnata nnggtctgat atacnantac 180
acacagcnnc ngccanccnc acananctna tntacagcta cgcgcccccc tntanngaat 240
tatcaatata cgcgangtga ncgtacgnan acanctnaca cacccnnttt ttttctncaa 300
ncangncgna cccantnaan nnacgcggcg gnnggagggg ngtanatatt attcnnanac 360
atanaaatnc gcntaccnnn tancaccnan cncnataaac acncaanaan nagaccnaaa 420
tgaaatgaca nttanccgaa antanccacn acacnncgna tgcaactnnc ntcacangna 480
gaaanancaa tnatantatc ancaacactc cntacnaccn nctcnnngca natncgaanc 540
catantnaan cataanntnt gactacnntn nannggttaa cnacgtntag acaaannaga 600
ngtctcnnaa cacnaanata ttctnncgtn ncaantannc acccctnaac atctacanga 660
tataanannc cacgacaata cnctntcata ncatntncnc agcacacgan nganancnat 720
gactnncgat ntannttnnn nannncataa agacgcntac acatnnntna anccnacaca 780
ntntcacnna naaccgacag atcaaannna atgcagnatc cgntcnctca ancnacgaac 840
gacaatgcta ctacatacgc ngagcgaccn agaaacnact aangatcnaa ntcggacacn 900
cacggncgtn ntnnntgata gacaaaccga cacaagacga cnaacgtaac cacgancata 960
cnnccaacac anncgnanna tanncgtatc taaagacact gaatcnatnc gccaatanga 1020
nagcgctctg tncgagatac ncactaagta anccatacnn cggagnaaga cagggaaaga 1080

tcgncacggg aaagncgngn atactgaaag nnncnnnact acacncgnaa cgtgtnaaan 1140
gtaacnacgc natcgacctc acacgaccgn cagcctntnn acacanagag aaagcgcacg 1200
cancacgnga aangacgngt tcgnccaaca natnccncaa acganctgtn aaacgcangg 1260
cacaagtncc ggnanatntn ncgncacatt acatcggnta atccncacgc nactatnaaa 1320
actnncnctc ncacacnnat gngagtcaan ccgcnaatan cgcggcgaac aaatggccta 1380
taacanncta caanatacgc agctacatna ctacgcacgt caagcgtccg atnanaccga 1440
canatnnntg atacacnaca ccacacatnn ntactnncga tnccntncag nngacangac 1500
ncnngtaant agnncntncc tcgcnatntn tcactnnanc gnagnnacna cnnanaannt 1560
gcatagacnc antcaaagag gatggacacn tnncnnanga tanncnanag ctacatcnat 1620
annnatnnnt ngagcnctng atatncaanc tncnactcac aaacacatcn agtgncgn 1678

<210> 2349
<211> 1424
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1424)
<223> n = A,T,C or G

<400> 2349
gtactcgtna anaaaccccc cctnttttac ccaaaaaccc tttacctctn ggnnttnctt 60
tttttttgt ccnaatggca aatccncccc atttcgggga gttcccnccc cccncnatng 120
ggtggagcgg ananaannтn acccnaccaa ntcacnanaa naggcgctct nananctcnc 180
natantacnt atatatnatc aannnccacn ataccttaat actatcgaca nancncacta 240
tnngaggggg gggggggtat ttttttttat gcannacata aaaannтgnn tatcactacn 300
ctanacnctt antcatacac gacatctnaa tataactnta ncataatnaa nncncataac 360
caatnntaan atncattttc gnngatnntt ttcaaacnna aataaatnta nttanctctt 420
annattaaan aaaganaatn anttcactca ctncntgant anataaantn nntactncaa 480
naataantnt catacaatta nananntaca tnanttnnnt atcncanaca nacnnnntan 540
tnnantatnn cattatacac tacnaagana tattacatnt anctacanca tantctgntn 600
tattctcatn tnatanaaat nnnatnacna ccntanataa tnatgcatan nntntataac 660
ntnatatntt nctnnatacn tatatacatt atatacntan agatataatc ntntnacana 720
cnanatcatc atnantccgn attnaatnta cacgtacaca aatcatgnta cncnctacna 780
taaancntcg ntatntacat aaaaacacaa atgannacac actaagtnaa tcaaanattc 840
atactcgtat ntctcatgtn antacacntn ctacngagac tgnantacac atatacacta 900
tcncntgtan aatnngtgaa atatnataaa nacgaccnga ttgccgagtc atnngataaa 960
tcanacactg tcaantctcn cnananatgc annactacta tcaacataat annataanat 1020
ananccctct atatcattat ncctnatata tacnctaata cattnataat gannaatanc 1080
tatnacaata cattatgaca ataatcaana tctacactnt aacnatatca tnatnatatn 1140
tatanagcac ttatataata nnactantnt naacanatat ntctagacat nacaaactnt 1200
natnacacga tanataatnt attnntanaa aatanatatn ncccntgcta tnatnanang 1260
gntaatnctt aactactcnt aagannatat ttatcanata ctaacnnnan naatntccac 1320
nngnatctat antatncngt actaaaaaat nnatntaaan nacntntnnn tcatnaaagt 1380
anacaattat aatacanaaa cctcntaaat anttntcana aang 1424

<210> 2350
<211> 723
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(723)
<223> n = A,T,C or G

<400> 2350

tanacnntcc aaatgtggga actgncnaan cnaannngan caacntcaac ggngtncnta 60
acntaatcnt aatngcntcc cgagacatcg cggntgggga ggagctcctg tatgactatg 120
gggaccgcag canggcttcc nttgaagccc acccggggct gaagcattaa ccggtgggcc 180
ccgtgccctc cccgccccac tttcccttct tcaaaggaca aagtgccctc aaagggaatt 240
gaatttttt tttacacact taatcttagc ggattacttc agatgttttt aaaaagtata 300
ttaagatgcc ttttcactgt agtatttaaa tatctgttac aggtttccaa ggtggacttg 360
aacagatggc cttatattac caaaactttt atattctagt tgtttttgta ctttttttgc 420
atacaagccg aacgtttgtg cttcccgtgc atgcagtcaa agactcagca caggttttag 480
aggaaatagt caaacatgaa ctaggaagcc aggtgagtct cctttctcca gtggaagagc 540
cgggaccttc ccctgcaccc ccgacatcca gggacggggt gtgaggaaaa cnctgcctcc 600
aatggcctgg acgggatgtt tccaagctct tgttccccta acgtctcaac angcgctcac 660
tgaagtgtat gaatattttt taaaaanggt tttgcagtaa gctaatcttt ccctntgctt 720
ttc 723

<210> 2351
<211> 724
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(724)
<223> n = A,T,C or G

<400> 2351
tganncnntc gantcggcac gagcttcata taatgannct atnangncna aggnaaatta 60
nncaaangtt aagncnntgn gtccaaggnc nttcanntna aaaangganc ngggattnga 120
acctaaagta nccataaaat ccttcctttt ctacaccacc atggtacctc ctagatgaag 180
ctgaattttg cctctaagct actagtcctc acaatttagt ttacaagtca tctggggcat 240
aaaaaccaga cacctagacc ttatgtagag attgctacag cacaggaaca ggtgtcttag 300
caagcatgac gtacaactaa gatgtgggtt accatggaac ccaatttgaa agtaatagtt 360
ttacattcta aggtattcca actatttttt ttccttaagt ttcacatctt gatagaccct 420
ctacggaatc tcttctccta aagcttgttt ttacagtgat cttgccattc ctggtaccat 480
acacattatc atctggtctg tggttcactt tttttttaa atcattgaac cctccttcac 540
ctggcttttt aaagccaaaa gcttttctgg agccccaaga tcaccccact atgtacttcc 600
tcatatttag gcagtttaca aaacattcac atttggtatc tctgactctt aaaacatncc 660
tgngtagaan gcacaacagc tattattttc attttggagg ngaaaaanac cagggtacac 720
tgct 724

<210> 2352
<211> 761
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(761)
<223> n = A,T,C or G

<400> 2352
gntattcgtt cagctcttgt tctttttgca ggatcccatc gattcgaatt cggcacgaga 60
gatagtctct gaatttagaa ctgggacgaa agtgtncata ataggctntt ataaaatttt 120
tagaattgga tttctaaact tggggtcagt gaatctagca ggcttaagca gtgttctcag 180
gtttttctgg cacagacaag gaatataaga ggaggagaga aaaggagaga cagtagtggg 240
gagggaatag aatgagagaa gatagaaaat atggaattaa tagagaaagg atacatgaag 300
tattacaaga ttttcttgga aaaattggca tttcagtgat ggatcaaaga tgtctaatga 360
ggcaaaatac tactattact taaatattta atgttttaaa gatttgagga taaaaggata 420
tagatctgat ggccgttcat actaattgct gtantgttga tgttggagag aggggtaatg 480

tatcaagaca gagcagacag acccctttaca atgagagcag aagatatgtt gtttactgat 540
tctactttcc cacaaaatgc taatgctttt ataagtccct cctccttatt ttctagatta 600
actccttgtt cttnctctaa acagaggatt atngcagaca ggccaaaaaa aagcctctag 660
aactatagtg agtccgtttt ccgtanatcc agacatgata agatnctttg atgagtttgg 720
acaaacccnc actttgaatg ccgtggaaaa aatctttntt t 761

<210> 2353
<211> 732
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(732)
<223> n = A,T,C or G

<400> 2353
ttanncnntc gantcngccg aggtcttttn nacnngtacc agcnnagnat nttttttttt 60
ntganatnat ttttgaatgc ttttgtgtgg aaccacatgc ntcataatag atncaaatcc 120
atgaaagtat aacagttaaa tactagatct tacttttca ggttttgatt tctcatctaa 180
actttccaat gctttatcag tgaagcaaac taactcacat tgactagcct gctctccttt 240
agcaaaccct tcaaataaat gcctcatttg ctcctcacca ctatcatttt agattggcca 300
gacagttgtt acttaccttt taagaatgag gagacaggta gccgggtgcg gtggctcaca 360
cctgtaatcc caacactttg ggaggctgag gcgggtggat cacgaggtca ggagatcaag 420
accatcctgg ctaacacggt gaaaccccgt ctgtactaaa aatacaaaaa attagtcagg 480
tgtgttggtg ggcacctgta gtcccagcta cttgggaggc tgaggcagga gaatggcatg 540
aacccgggag gcggagctgg cagtgagctg agaccacacc actgcactcc acctgggtga 600
cagagtgaga ttccgtctca aaaaaaaaaa aaaaaaaaaa acntcggccc tttaaaaatt 660
tttggggggn ngttttcccg gnaaacccca acttntaaaa aaaacctttt gtggagnttg 720
ggcaaaaccn nt 732

<210> 2354
<211> 757
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(757)
<223> n = A,T,C or G

<400> 2354
gntatncgtt cagctcttgt tctttttgca ggatcccatc gattcgaatt cggcacgaga 60
aaaatatggg ctgggattac aggcgtgagc caccacaccc agcctttctt ttagtgcttt 120
aaatatattg gccctctgcc ttctggcctc caagtttctg gatgaaaaat ctgcttgtca 180
ttttattgag gatcccttgt atgtgacaag tttcttccct cttgctactt tcaggattct 240
aactttgcat ttcaaaagtt agactataat gtgtctcagt gtgggtctct ttgagttcat 300
tttacttgga gttacttgag ctgcttggat gtttatatgc atgtctttca tcaaatttgg 360
gaagttttca gccattattc ttcaaacata gtcataagct gcataatgac attttggtca 420
tcaatgaact gcatatatga tggtggcctc aaagattata atactgtatt tttactgnac 480
tttttatgtt tatatgtact tagatcacaa atacttacca ttgtgttata attgcctaag 540
tattaaatac agtaacatgc tgtacatatt tgtagccttg gagcaataag ttatatacca 600
tatagtttag gtatacagta gctataccat gtaggcttgg tataagtact ctctacgatg 660
ttcacacaat gttgaaatca catganggat gtattctcan aacataattt tggttggtaa 720
ngggatgcat gactgnattc tctctgcccc tttctnt 757

<210> 2355
<211> 828

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(828)
<223> n = A,T,C or G

<400> 2355
tattatncgt tcaactactt gttctttttg cangatccct cgattcnaat tcggcacgan 60
ggncnacnnn tttntacact tngaacccca ctttttntccc tttgcccntt tgcngtgtcn 120
ctttttgccg gaacccccct ttgttgcccg tttgaaaggn cgttnttgtt gttganacgc 180
cggttgccca nccccaaaaa aggagggtnt ttaaattgna nttcntnttt tntgaggnnt 240
ccaaggcntt tggncggaaa gtggntggnt gccttttgtn attgaggacn tcntggcntc 300
caaggggagc ggcctggcac cntctgcctg tgaactggag gcaacntggg gggccgggcc 360
accagtccac antggcaatg ggtggtcctg gcccggctgc aatggtcgtc caccgaagtt 420
ggcctacttn tcgcttaagc gccttgccct tgataanggg gattgtgctc tttgggggat 480
gaaganggca acgttgttgg cttttacgac gtcagccaac atnctgaagc agcccacccc 540
ttgcttgccc ggcagccctt gcaggccccc acacagatcc tgaagtggcc ccaacccctg 600
ggcccttggc caagtggtga accaaaaacc atngtngaac acaagtnggt nggncaatgc 660
cttcctttaa ncttaacctt aaccggccct tgacnggaac ttccnaacat tcgtnaaccc 720
atttttgggg ggaagggatt tttaaccctt taaanaccca ntttggnaaa aagggnacca 780
agggggaccc ccaagcttta actttaacnt ttantttcaa nccntttt 828

<210> 2356
<211> 1197
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1197)
<223> n = A,T,C or G

<400> 2356
cgtcncncan ctnngtnatn antnatntnn gtganttntn tnttnttcnt tgnnacntnn 60
tgttgnatgn tntgcgtgtn ncntcatnag attttcnatt angtgnnnng atctttgtgn 120
nangtgatta ntnnnnnnnn nntatgngaa acccccgtnt cgaantcggc acgnncantg 180
ntcntanntg tngnatgctg tctccnacnt gtnnggtagn atgttgngtt ggggggngggg 240
ntcccataca tcatannntt cntaaaattg ngangntntg atggagnggt ttttttncn 300
agcnntttna aagctnagtn gnttgttnct ctnntgccct gnnatagnng nnttnnnggn 360
tgtgtccnnc ntnggtnnna gnntnttnnt ntnnnnntgn tannnnnnat gtanctagnt 420
cataatttgt ntatnggaca ttnncctact tatatttaat ggtgnttnnn gtcnantcgg 480
attntntatn tnnttctatt ntcantttnn tannnatntc cnnggacgna tccatntgta 540
tattttcncn tatgnnngnn cccnnatggg gctttgtcac atngactntt gtactnnacc 600
nattgcccct ataaannttt ttttccncat ngntttgaan ggngatanga caaaaaannt 660
ggatctnctn tgtgcttnat ntnttgannn ttnatatntc gccgnatntt ntntnnannt 720
anntnnnttn aatnntgcat anctntantt nngatganta tngtgntatg nnttgntntn 780
tattatctat tcncantntt tacagntctn natntnnntn tnctacnntt ttttnatncn 840
tgtaatgtan gnatnagtnt ngtctgtatn nttnntcnna ttncnnntnn tccctntata 900
tntatanant nactttancc nnnnttntat ngntcgnttn tctntcatng tcttctattc 960
nctttntanc nnntatttnt tttgcntttn anatnntaan cnatnttngc naannanaan 1020
ttgntgnntn ctctgatnta tatgtcntcn agctatcttn natatcgnat tatgataatg 1080
tcnttactta nntanattcg ncntattatt nnctnacgtn tgantnntnt agtgngattg 1140
acnttntttt ttctntnnnt tancnttggt anntagtgnn nttnnatcat ttnttng 1197

<210> 2357
<211> 921

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(921)
<223> n = A,T,C or G

<400> 2357
aagnnaacnt tnaacgagca ggcctccacg gccanncagc tgctcacact ggacaccacc 60
tctatcctcc tgcgcctntg ccctgtnttt ntnctgcccg gaacgcccgn ctgctggcnn 120
ngaaggcgag ggcggnangc cgctgaatgg gactttncgg nttggaacca acccccaaaa 180
aaaggagggg nnttgtnnaa aanaggaaaa ttcannattn tnntgnaggg cctcanaagg 240
nntnatggna annggagnan atngnaaatg ganatagcaa ttntggnnaa atggagggac 300
aatgnggang gncntccaaa gggggaaggc gggaccnngg gcncnaattc tgccntntgg 360
gaagnttgga aangnaaaaa nntnnggggg ggggggnccg ggggcnaaat ccaggtnnaa 420
aaaatnggan nagtggnatg gnttcctngg anactgggct tgngaaaang gtaangtcca 480
atccnnangn gnggccttta tttattttgc ttaaaataac nctnatccng natntaaggg 540
gtaatttggn natacngntn nggggaantn anncanggtn ganatnatnt ggnttaatta 600
nataannaac ttanaaaaaa aattatanaa aanaangaaa tcccatatna tnanattaaa 660
caaaataana nnnanacntt tgaactanta aacnataatg aantncctca actaaaatnt 720
ngannaantt gaatttatga atcannantt caaatatana ttataattna ttaattntat 780
atanannatt antannattt nantatannt nnntacntaa nttataatct cttnaattta 840
nttannnana gaaaatanta anannncatn aaatnttnat taattttnaa tnnattnnct 900
gntatantan ganctntatn c 921

<210> 2358
<211> 870
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(870)
<223> n = A,T,C or G

<400> 2358
annnctcttg actcctgtct ttgnggatcc ctcgttcgaa ttcngcacga gggantatcc 60
tggtgnaggg gccttttttn cnggncttgg gggccttggg atcccggggg ttncagnntn 120
agggnccttn agtccttcan acccngcaaa tattttgcgc nnangaagna nggtnngtnn 180
gtanctaagt taaacttaga ancagaccct cattcagttt tantaatgta ttttngcaan 240
ctactgtaaa tagcaaatca atgccantgt taaacaaaga ggaaacgttg tgtggncttg 300
gttctctngc accggtattt canggaacat ctgcttgcca tccccacagc tctttaaaac 360
ctggctatta tggngtgccc tttcattcnt accatttcta atcatacctg gcagggaaaa 420
aaacattggg attcagcctt aagactggag ggaaaaacct tctcccattt antggttggn 480
taaggaaaat tantaggatg gttttggagg aagaccacct ttttttggtt aaaacccnag 540
aatatttgga acctcccagc caacctattt gggggggttaa taatttttta aggttcaatt 600
ggntcctnca attttaaatg cctaaaatat tccctttat aattngcctt tnaataaatt 660
ttccctttt tttcctttt ttttttttt taagaccngg gggtcctcgc ctcttggttg 720
gcccaggcct tgggaggggc aannggcnnc cnancccttgg cttttctggc aanccttttng 780
cctncccagg ntcaagccga attcttnctg gctttcaanc cttnccgagg tagctnggga 840
ctacaggcgc catgccccnc natgccccan 870

<210> 2359
<211> 722
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(722)
<223> n = A,T,C or G

<400> 2359
ntttgaccnc gtatggcgcc gagaatagcc naattncnta gannaagaan caaaanggca 60
atctgagtag aagaaataag gagaaaggag gagaggtgtg aaaaaaagtc ctttttctga 120
gaacaagcat tcaaacagat aaaacacagg tttcataaag aaaagttaaa tgtcccacta 180
ctatgagtca aaatggtgca tttgcttttt cctgggtttt gatttattgc cctctgtttg 240
taccccacat tcgcatcctt ggcacagact gtcatatgtc acacattcag cctcctacac 300
ttccacccca caatctcttt accttccttc ttaatgttca cctcatttat ctttactcag 360
ctaaagtcat agcactagac agtgttccca caaccgtctt caaactcatc tgtatttcat 420
aatctctcct ctagttcaaa ccagcacagg tcagctgaaa ctctgaattc tacaaataaa 480
tatttagagg aagctaactt catcagacac tcccctatgc tctcagttca aacgaaagtt 540
tctgttacat ttcacctacc tacagcctta cctcactcag ctagcattag actactcagc 600
aatgagttcc aacattgcct tgctaaaaag caaggnggct cacaaacaag acttcagcaa 660
agatgcattn aaatgtgaag tctgcatttg gtcaaggcta ccttanatgg agtaatcatg 720
gg 722

<210> 2360
<211> 1335
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1335)
<223> n = A,T,C or G

<400> 2360
naggcnagcc cncnctatga gaccccagca ccatggacaa gggaaggaca cgcccatttt 60
nncnggcnca acacgacaaa acgggggggn tnaaaanaac ngtncccacn tntctnnaaa 120
ccccccagcac ggnnngnnac cnaacgaaaa agnncnnaag gcantaancc nggcnggggc 180
anaacggcnc gcaacncncc cccnactggc tnaaagngga ncaccctaaa ccnngngnaa 240
acgancgggn gaaatcggcg canncaccaa acccaangng tgnnccgngn gnggncgtaa 300
anngtanana anacannccg anaaacggng cnaacctaaa nngacangng cgnntggcnc 360
accccaancn acccnagcaa cccacanaan acggggcnan cgcngnnagg nagaccacnc 420
tncnncntcg gaacacngng caggacccnc gcgcncgann ngcataggng gcacacacac 480
tacnaaaggn acncnangan nggagcatca nagattacgc tcgganaccn acncaccccg 540
cggnataaan accgnnanng aaaagcaagc gcgccacnag agnanggaca ctagataana 600
ccccntcgca nacccnnnat cggaccnnna cnngncacng nggagcacan gtganncccc 660
taagangtga angaacnctg ggggngcaaa aanacaccgc gacacncaat atnggggcta 720
tctacgaaac ccancggata cagcagtnca anancnagcn ngaaacacac gnnnnggcnc 780
tgggaaanca gcacaatcng caaggcacnn acccgaacnc nncgatatgc acnnncaacc 840
nctctacctt anangcgcca aacgagacna nctannaaag nacaccgtga acagggaaac 900
aacatctgng gncantgaca cactnatcgc acacaannac gtncaaggca tangnagaat 960
ncacgnagnn aanacgagna taacagnggg nnaatnngac gggatncaaa aaaannggcn 1020
ncgagcagta catcaaggca canaacntga gcaantcncg caacacanaa ggacacgcgn 1080
naagnanatc caaatannta ncggggacnc ccncacgtaa nananagtcn cnagaacgaa 1140
actntcattg ngagaccnaa ncagntcaca gnangantct tncgaccaac cnnntgnaaa 1200
cacgcaccgg ggaaaannaa nangccancn caaccaaanc aagcgggana cnnaaagngg 1260
cgcncnaccc ngatgnnacn ncannaaggc aagntcacag ncggaangan ctnnnnancc 1320
aactnnnagc cgcnc 1335

<210> 2361
<211> 1082
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1082)
<223> n = A,T,C or G

<400> 2361
tnnnnnnnnn nnnnnnnatn nnnnnnnnnn nnnnnnannn nnnnnnnnan nnnnnnnann 60
nnnnnnnnnn tnnannnnna nnnnnnnntn nnannntann tnnnnnnnnt cnnnnnnnan 120
nnnnnnnnnn nannnantnn nnnnnnnnnn nnnnnannnn nnnngttttg aatcctttcn 180
naaacaccnn cannnnnnnn tananatnna nnnnancccn ccccactgan gnnnaaccca 240
tnanngnnnt gggactgggc tgantntaca gattgatgag gacattcaac taggatggct 300
atgatatctg ggagaccata agtganggtc ttcgctcacc ccgagtagat atttngcatt 360
acanttgacc ccatatacac caaggcaaaa aatggctcct gggcagcang ctatggggat 420
ctggaacact gnaatccaat cagncattca agagggcagc actggaaaan ttgcttacaa 480
gggaaattct tgggttncca gcgaacttgg ggacccccc ttnaggcntt ntntaagcaa 540
acccngggat aanatcgntn taatggggct ccaaatncaa ccnggnattg cccntttggg 600
cctaacnctg ngcnnaaaaa nggngntnnn tgggantttt aaatacaatg nanttcctcn 660
nccccaannc atgnnnangg gcnannnanc nngaccttac tcngcgaagc ccnnnnantc 720
nnttcanana tgnanatnan nnnacantnn ctnnannnat ggcantntnt anagaanaaa 780
gtatntannn cgttcttgcn acatcnncgg anattnnttt atcncntntn tnaannaccc 840
cccaagaaag ntnacccccc tagggcttaa ntgggganggg ggttctgggg ggnccnntgg 900
ntttacaagn gggnaacccc atnaaaannng gaaggcccaa cngcaaanat tnangctctt 960
gnngcaaaaa ccaancctnn aantncctca naanacataa nnnnnngctg ccgggntngn 1020
nttctntnna tcctcctntn ttttnnaann atcttctctt tcnattnnnn nnnctcaaat 1080
cc 1082

<210> 2362
<211> 1687
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1687)
<223> n = A,T,C or G

<400> 2362
taanncccca annacnannc caantcnnnn ctgatntncg aancnnangn nttttatctt 60
acanttcaaa naanggggnn acnnnacata anctngacnt taannncgaa ntcgnccnga 120
ggncacancn nnncgcgcan acctnntatg cnntggnatc acactgacna aacatactnc 180
tcacntncct ncnacactct ccatntcncn ccactatanc tctctnatct atactanatn 240
tcatncncgc gntcagacat nttnnnnnnt nctnanncnc tctnaactca ataanacncn 300
ctacncnctc actcatntca ttaagtnngn taccnactat acactntnta ccttctcncn 360
aatacncnac ntcnacatat attcngatnt ctacgnctat ntccnntatc tcnncaacna 420
nactntcatc ntcttannnc ntnccatcta nntnncnncn cgtnncatcn ngnnnactan 480
nacaaacgtc acantcatna ttnatnncat ttcgcatgac ancnantctc nccttttnttc 540
acgnacanca ncngtccanc tacncncnta cncaactaat attnnctcgc tcaacanntc 600
ntaatnnatn nnntcanttn ntntatcntt nnatnatnnn ctaaanatgn attncttcnn 660
agctnntncg cncgactntg ncaatccanc ntanatnacg ntnacnatcn tctnnacaat 720
gntcntcttt atcncatncn cncntnntnn caccnctntc tcgtcatact ntncccatan 780
aatgatatat cntccanaca atntacgtgt natcaactac ncnttgnaga natgcagtat 840
accntcgant aanatcnctc agtctcnacc tgacatntna ctntcacttn aattctcnac 900
anctantnnc antnaatnat acatcttact nactntnccg ctaacgctct acncgngaca 960
ttgtantcnc tatnatnatn tcncntactn actcngcata gacctcacnt gtanagantc 1020
tncananatg tcnngctnng tcntntgtgt aaccaanact attgctnaaa ctatcatntc 1080
cnctctccac tcactctatc ncactatant ccntanccan ancntttnac tctntntata 1140

tcatatnant acacncgcgc ancgtctcgn ntcttntntn ntnctncanc cctntcntnc 1200
tnatctcttc tcannnatna cataccgcca tcatagcttc ncactatnct ncatatnttn 1260
tacacgataa cgcatnatct gcaacntnnn cactantnan tnnctnncag tnactcnnct 1320
tgantcnntc acannnngac nnancatatc nttcccgann atnntctntg cntacnnnnn 1380
nattcannct tcnacntntn ncactatnta ccncctggac aactnnatac tacnncgcna 1440
tagctnatan cactcnnnct acnnatctca cntactccac tgnnnnttac naacattcnn 1500
ntcatgatat atganatgcc nntnctacgn atnnantann ncnnctntnt ntcatatcnc 1560
gnnaannacg cgtagcnatc ttactccang tcnattncct cccaacatnt ntaactnata 1620
tnanctctng nctcactacg nacncnatan cctcaatcnc cataacacnc ntatccanca 1680
tatccgn 1687

<210> 2363
<211> 780
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(780)
<223> n = A,T,C or G

<400> 2363
nnctaacctt gnaancccgn cntttgcaga cccaanagga ccccgggtac cgancncgca 60
tncgnccnna agggagtttt ttnnnaatcc actggcccgg ngntccacag cgggngggan 120
tgggaaaacg gtggcgctnc cggcctngac cgncgggngg ggananganc nnacacacnn 180
nntngcggac actcgaangg gnnnaaannn ggcnncgttg gaaggaaggg aaaaganngn 240
atnnccaata ggangaactg gtcaangaga tatcanngga aaaaagganc gaaatctnac 300
ntcttncnca caacatangg cnagnnatat ncagacgatt atagacctaa atgtgaaagc 360
aagacacatc gtnncagatg ataatatagg agatgnctca tgactntgca ttagtggaaa 420
tgtnatnaac ctacacccag atgcctgtgc tgatactgac atgactataa tagagnggga 480
attngccagn ctgcactcaa tgcctgctca tccaaccatc tttaataagg catcaccatg 540
tgcctaccct nttaaggagc aactagaacc actaagacca aaagagaatc ctcactcctt 600
cccttnctnc gntcgctcaa cctcttttgg ntcaggtatg nggnaacttg gaagcttaat 660
ntggaactac tgggatatct ggactnggga gcccncaaga tacccgaanc tggggattgg 720
gncttacntg gaaaacacag catggggaaa taaacaatta aaacctnaaa naaaaaccaa 780

<210> 2364
<211> 730
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(730)
<223> n = A,T,C or G

<400> 2364
ngttttgacn cctnannant cggcacgact taaagatgca taacanagtc aggggattca 60
ttctatatga tatccaatga gtatggcatt ggcataaggc tagacaaaca gggcaggaca 120
gagggagtga atgaacagac acacatatat ttggacactt gaatgtggat aaaagaggca 180
atgtaggaag gaagggaaaa gatagtcttt tcaatagaag gaactggatc aaagagatat 240
tcaatggaaa aaaagaacga aattttacct cttcctcaca acataagtaa gttaattatt 300
acagacgaat tatagaccta aatgtgaaag gcaagacaac atcgtttcca gatgataata 360
taggagatgt cctcatgact ttgcattagt ggaaatgtta taaacctaca cccagatgcc 420
tgtgctgata ctgacatgac tttaatagtg tgggaatttg cccagtctgc actcaatgcc 480
tgtctcatcc aaccatcttt aataagtcat caccatgtgc ctacccttta aggagcaact 540
agaaccacta agaccaaaag agaatcctca ctcctcccct ccttcgctcg ctcaacctct 600
tttgttcagt atgtgtaact tgaagctaat ttgtactact ggatatctga ctggagccac 660

agatacagaa tctgtattgg tcttactgaa acacagcatg gaattaacat taaacttaaa 720
taaaacaaac 730

<210> 2365
<211> 728
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(728)
<223> n = A,T,C or G

<400> 2365
ngttgaccnc nntcgattcg gcacgaggat agcccacctc atgttcctgt acctgaactc 60
tcaacagaca ctgttataaa tgtgatcact aatatgacaa ccaccatcca gagtctcttt 120
ccaaatctcc aggttttccc tgcgctgggt aatcatgact attggccaca ggatcaactg 180
cctgtagtca ccagtaaagt gtacaatgca gtagcaaacc tctggaaacc atggctagat 240
gaagaagcta ttagtacttt aaggaaaggt ggtttttatt cacagaaagt tacaactaat 300
ccaaacctta ggatcatcag tctaaacaca aacttgtact acggcccaaa tataatgaca 360
ctgaacaaga ctgacccagc caaccagttt gaatggctag aaagtacatt gaacaactct 420
cagcagaata aggagaaggt gtatatcata gcacatgttc cagtggggta tctgccatct 480
tcacagaaca tcacagcaat gagagaatac tataatgaga aattgataga tatttttcaa 540
aaatacagtg atgtcattgc aggacaattt tatggacaca ctcacagaga cagcattatg 600
gttctttcag ataaaaaagg aagtccagta aattctttgt ttgtggctcc tgctgttaca 660
ccagtgaaga gtgttttaga aaaacagacc aacaatnctg gtatcagact ggttcagtat 720
gatcctcg 728

<210> 2366
<211> 728
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(728)
<223> n = A,T,C or G

<400> 2366
ctttgacccc tttcgantcg gcacgaggtg aaagcggggc ctcacgatcc ttctgacctt 60
ttgggtttta agcaggaggt gtcagaaaag ttaccacagg ggccagaact tccaccttgt 120
ggtcaattgt ttcaagtgtg tgaccatact tgtcaagaaa gtcaagtctt accagataac 180
tgaaaaacag ctccaagttc tactggccta tgctgaggag gacatttatg atacttcaag 240
acaagccact gcctttggtc ttctgaaggc aattttatca agaaagctgt tggtcccaga 300
aatcgatgag gtcatgcgga aagtatccaa gttggcagtc tctgcacaaa gcgaacctgc 360
cagggtccag tgtagacagg tttttctgaa atatattctt gactatcccc tgggtgacaa 420
attgagacca aacttggaat tcatgctcgc tcaactgaat tacgaacatg agaccgggag 480
agagtccacc ttggaaatga tcgcctatct ctttgacacg ttccctcagg ggctgctcca 540
tgagaactgc ggaatgttct ttatccctct ttgtctaatg acgatcaatg atgactctgc 600
cacgtgcaaa aagatggcat ccatgacaat caagtcccta cttggtaaaa tcagcctcga 660
gaaaaaagat tggctgtttg atatgggtac cacttggttt tggagcaaaa aaaaccgctt 720
aaatagac 728

<210> 2367
<211> 1109
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1109)
<223> n = A,T,C or G

<400> 2367
cngngcntga gnggnnggnt atnngtannt aacnatgatn gttaganata nctncgttgt 60
tcncnanctg nagtanctng acncnntnta tcngncntgt nnanagntng aangtagggg 120
anagtcnnnc cannngantt gaaccccgta tcgtagggtg taccccanac agccancata 180
tncnttcaaa tacanggaat atnngtgngn nttaaaaaat atnaaaccat cattgttnnt 240
gtnacacaan gggaggngng tgnntacatn ngaaaanaaa annncttntg gaaaacnnag 300
gaaacnntng ngggnannan nagacttttt gcatgattag ttatttncnn agncntnngn 360
aaaannaggg aacttatntt aaacctngga ggtgtaggct gcgntgcnan tcantttta 420
cnctcacnag ngnagggngc nccaanntgg gggtgnnaan ttgttaaccc gggnnntgnn 480
nntaataaac gagaagnnct gtannttтct ccnaganata ccngggtggg naannncgat 540
anatgtgnac caatnggaag nctanttnna cttcnctagc ccgtggctat ncttggngaa 600
ancgannncn cttcnatgaa ctatccccca aatgcnngtc ttnntctnga gnnatttggg 660
gataangagt ttnnnaannn aaaattattn gcgggtntag ggggcttcgg gnaaagtggg 720
gagggcntga tcggttnagg gttggagang ggactaaaan gggggggcggg nanngganaat 780
nanccttggg tnctcttntg ancnctgggg ggggaatggc aaaaaannng gtngagcnca 840
gaantggccg ccttggggnn gggggncnag ncttggaatc ccantcntag tggccggggg 900
ttctgaccca aaaancentc ctgaanncgg nanggntntc taccanatgg gggggngata 960
aatanangcc cncngnggna nncccaantt ttnggnggaa agggggatnn ntnnaantct 1020
cttttggggg ancccccaga aaagggnctt ggngnaagga anncncncct ananaactng 1080
ggagaaanat gttncttanc gcccctgnt 1109

<210> 2368
<211> 754
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(754)
<223> n = A,T,C or G

<400> 2368
attatncnnt cagctcttgt tctttttgca ggatcccatc gattcgaatt cggcacgagg 60
aagcacacct ttnncnnncn ccccnngagg gccgnggnan cntgaantnt ggctttttntn 120
ntgtaaagat tgancttntg antcggctac agtctcaaag ggcantgctt ctgcagggca 180
ctgaaagcct gaaccgggcc acccaaagta ttgaacgttc tcatcggatt gccacagaga 240
ctgaccagat tggctcagaa atcatagaag agctgggggа acaacgagac cagttagaac 300
gtaccaagag tagactggta aacacaagtg aaaacttgag caaaagtcgg aagattctcc 360
gttcaatgtc cagaaaagtg acaaccaaca agctgctgct ttccattatc atcttactgg 420
agctcgccat cctgggaggc ctggtttact acaaattctt tcgcagccat tgaacttcta 480
tagggaaggg tttgtggacc agaactttga ccttgtgaat gcatgatgtt agggatgtgg 540
atagaataag catattgctg ctgtgggctg acagttcaag gatgcactgt atagccaggc 600
ttgtgggang agggaggaaa gatgaaaaac ccttaaatgt gaaggaacac ngcacaagac 660
cagtatgatt tccaaggtaa taaatgctgt ttatgacttc tttaaaaaaa aaaannnnnn 720
nnnnnnnnnn nnnnnnaaaa aaaaaaaact ccct 754

<210> 2369
<211> 733
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(733)
<223> n = A,T,C or G

<400> 2369
ntttaanccc cgntcgantc ggcacgagnt tgaggatctc gaccttgtcc ttccagcagg 60
tgctcccaag ccacctctgg gcctgagaat aggcatcaca tgactctgtt taatcctccg 120
acacagcaag gatgccggga agcagggcaa agtggttcaa gttatccggc agcgaaactg 180
ggtggtcgtg ggagggctga acacacatta ccgctacatt ggcaagacca tggattaccg 240
gggaaccatg atccctagtg aagccccctt gctccaccgc caggtcaaac ttgtggatcc 300
tatggacagg aaacccactg agatcgagtg gagatttact gaagcaggag agcgggtacg 360
agtctccaca cgatcaggga gaattatccc taaacccgaa tttcccagag ctgatggcat 420
cgtccctgaa acgtggattg atggccccaa agacacatca gtggaagatg ctttagaaag 480
aacctatgtg ccctgtctaa agacactgca ggaggaggtg atggaggcca tggggatcaa 540
ggagacccgg aaatacaaga aggtctattg gtattgagcc tggggcagag cagctccttc 600
ccaacttctg tcccaccttg aaggctgagg cacttctttt tcaagatgcc aattaaagag 660
cacttttatg agtcaaaaan nnnannnnnn nnnnnnnnnc cccggccctt ttaaaaantt 720
aaggggnggg ctt 733

<210> 2370
<211> 765
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(765)
<223> n = A,T,C or G

<400> 2370
gatngatcnt ttgcaactnc cgttcttttt gcaggatccc atcgattcga attcggcacg 60
aggtttgaaa tgaatgccat attaaatntt tnctttttc ctngncntat gggggttaat 120
ttnaaancnn cngggcctna ncgngttttt taanctttgg tagtaaatga ncntttgaaa 180
tccattttga taaacctgct gttaatgttt tttccccct tgtgaatgtt ttctaacttn 240
tcttggtaat tgcaatttaa ctaggtgcgg tggctactaa agttcgaagg cacgatatgc 300
gtgtccatcc ttaccaaagg attgtgaccg cagaccgagc cgccaccggc actaacctat 360
gaccttctga cctctgaact cttcacccaa tgatgacctg accatgcctg cctgctgatc 420
aagttaactg gtaatcgcct ttgcttgcct gtcgtcagtg cagcgagctg aggcacttgt 480
cccgttcgtc ttaccatcta accaaacaaa agacaaagaa attgttgtcc tccaactcag 540
ctttttttt ttttcctgtt tgggtgaaag tggttctaga aactgcactg aatagtagta 600
aagcaataag gcccaattca tcccacagca ctgatcatct tttaatatcc caccctaagc 660
gaacggtaag aaggcctctc ttaagaaggg gagacagatg ggccttaact actcaatgac 720
agangcaggt tactggggag aaaacttcta ggaatctttt tcttn 765

<210> 2371
<211> 732
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(732)
<223> n = A,T,C or G

<400> 2371
ntttaaacct ngatcgantc ggcacgagta gaagaaacac acagaacaag cagcctgaca 60
tgtaacagag caggaaagcc cccccatgtc cacctctacc tcattttgtc aagtcttcaa 120
gagacctcca ggcccagtca ctgtgaattc attcctctgg gtttaggcac tcacctcccc 180
gccaccccag agaggtagca tattaaatca ttaacagaat ctaatataaa ggggccctgt 240

gattactggg aacaagttct cctgatttat atgcgattga accatattcc ctggagtagg 300
tcctttagag ctataagccc ttgccatgat cagcccccag catcttctct cttactcctc 360
tacaggggac ttaggaaaac attttctgag tcttacccaa ctttagcttc tgctattgct 420
acttttgat gctgtgcaag cacctgttga ctcagtggtt ctcacccttc ttggagtcac 480
agacccttat aagaatctga ctgaagccat ggatcctttc ttgataaaaa taaatacaca 540
cttaacattt ttcgtacaat ttcaaggagt ttatagacac acttctaaac tcagtcatgg 600
atacaggttg agcaatgtgt aatgagttgc agtcaaaaac tacacaaaat tggtactttt 660
ttaattttca naaagggggt cttgctctgt agtccacctg ggagtgcact gggtgtaatc 720
ataactcacc gn 732

<210> 2372
<211> 982
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(982)
<223> n = A,T,C or G

<400> 2372
nttatncttc anctcttgtc ttttgcagga tccctcgatt cgagagtgag aacccctntg 60
ctncaaaaaa ttgaaaaanc ctnttgggnn ttgggccccn tntnnnttga accacttgtt 120
gnaaaaantg acntggnagg ttggttngan cccagaaggc canggttgna ggnagntgtg 180
gtcncccnat tgcantttac cntgggtgac anancanaac ccctttttcaa aaaaaaccgg 240
ccggccgtgg gggttnacnc ntgtcttcca ancattttgg aaggttgagg cggttggatc 300
acaaggtcag gaaatcgaaa ccttcctgct aacatgatga aaaccccgtc ttctactaaa 360
agtncaaaaa aaataacttg ggtgttggtg gccggccgcc ttgtagtncc cacttacttc 420
aaggaaggct tgaaggccan ggaanaaatg ggccgttgaa accnccnggg aaggccngga 480
aacctttttgc caantngaag cccaaaagaa tccggtggcc ccactttggc acctttccca 540
agcccccttgg gggcccgnaa caaggaaacc caaaggnaac ccccccattt ntttcaaaaa 600
aancccaaaa nccaaaaaaa acnttggtgg gaattggaat taaaaaaaaa aagnccgncc 660
ccatttaaaa aaccancntt aaanttattt ccaaaaaacc ccanttggcc ttaacnttcn 720
ttggtccntt ttaaaaaant ttttttccaa aaaattaagc cnttttttggc cancccccttg 780
gaaaaatttn ccaaaaaaat tttaaagttt ttnggggaaa aaaaaccaag nttttttttna 840
accttggtgg tttgcntcac caaagcctta anttnaactt ggtattnaag nttcttgncc 900
ttgttgaaaa ggntnaaaaa aatnaaagtt cantttttgg gaaaaaaaaa aannnnnnnn 960
nnnnnnnnnn nnnnnnnnnt tt 982

<210> 2373
<211> 1738
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1738)
<223> n = A,T,C or G

<400> 2373
aaacncngna nncgngntgg cgnggaanaa aacantgtng naaacnngan anacgtacgg 60
annanatctc gcaaanantn ngagnnannn gnnnananga atnaatcana nnttggntgn 120
nntggactnn nngagcgacn tgangnngat gtccnncgna tagtcncgcn gcgtggncag 180
cgngannana gnaacatgng tnnccgcgcc ncccncncgc ncngttttta anaaacccct 240
cggaaaannng ggcnncncca gnnngaaana ngcggatatc nagncacngn gctgcannga 300
cccgngngta cggngggatc ngctnagagt ggnnggnggn gagggngaaa nttttttttct 360
cnnanaccgt ccnaagnann annacnnnnn ncgggggnnn tatngnnaca acantcannn 420
anccannnnn ttttgncgcg atngananga gnaacggacc nactnctnnc atcccnnnaa 480

ncngnntgna tnnnngggnn agtngtanaa gagnganact ngangagaca ganngnnacn 540
gncnnantna agnntggntg nncggcggan ngcgtgaggn cannctnggn attcgcntac 600
acnaaannтn atagagnnng atgntgnaga aantnnctnn nannngnnng cgtataagan 660
ngcggngaan tcnngnnnag cntgcnncgt cgnnacngac tgcggcgncg tncngntaca 720
tcctatnanc tgncgnancn gcnnancang cnnnngngnc gnnnncgntn tnntatangg 780
ngantnggag gactngcgcn gactnancgn anctnnacgc aggngatcga cagancacan 840
ngagcgagca cgcacangng acatagtgcn tcnnngtacg tagtntggac ancagatcac 900
gagcncgtca cnnacncgtn canacatgag ctcngngggc acgtggnnat cgtagangng 960
cannganagc ntacgngngn gggagnnnga nanatnncgn atgtncgana cnnagnanag 1020
ttntcatgca catcgagtga ngaanncgat aangnaangn cgatcgcntg tagaagttcn 1080
cacanggtnt ngcncgacnt angtcgagan gtacagaaga gnaacgntna tncngnngta 1140
atgngcgcnc agacgcgnna atanagcaga cgctcgcgga tttntacang ggngaantgt 1200
cangantcag angaagtgtc ggagatgcnc naanatagac atgcnaagta cgatagcggn 1260
cgcacgggag gancnnantg ggatgncaga ntaaggaagt gananacgcg ctcgtacaca 1320
cgnncttaga nnaccgtnnc ncantncana cttgantgtg agancgcnct gatgatannc 1380
ncgcggnnan aacggagcng agtanganna ncgcgaatnn gntgcngaat anacgcagat 1440
gatacagatn ncncacgnga gagtnnanag acnggcgnac tcanatcgga gacnctgcnn 1500
ancnngaaca tgtacgncgc tncacaccac ngtcagngcn cgcannntgt ancgctgnag 1560
tncgcgncat cgcnacgcga tacgagcgta acnnatgcag ctgcggcgtg tntatgagat 1620
atntgnnngn gacannngna cngantnnga ttcatggnga cgtacggaca ctggnngggg 1680
gacgannctg aagagtncnc ngtnaananc tangcgcncg cacgggngcn caacgcgn 1738

<210> 2374
<211> 735
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(735)
<223> n = A,T,C or G

<400> 2374
ntttnacccc tntcgaatcg gcctctctag atcttcccca ggccactcct tcacactcct 60
tactagcagc ccctgcttac ctccacacta cggcctggtg acctggtcca tggtgctcgc 120
cctggtgctt gaagcctggc aagccccagg gctgtccttc gcagctgctt caggtgctct 180
gtcccaccca tcaggccttt cttttggcct ggctgtcaac gtgtttccct tccttgatta 240
aatggtgttc aggcttcatg tccttcctcc cgcagggagc cttccctgat ttcccacact 300
ctggcccctc acctggtttt gagctcatga ggcaggtgag gttggatggc cctcatctct 360
ctgcacacag ggcctcttct aggggagact gagccccagg acaggggcag gggctcctta 420
tttctgaggg ccctgctagg tctttcctcc tctggcccca gcagaacaca gcccagccca 480
cttccaccct tcttcacatg taggtgggcc tggggcgtgc ctgagtggtc tggttggtgt 540
actccaggag caggttctga gtaaacacca tctctctctc tccactcgca ctctgctgaa 600
tgtccacccc aagcaagtgt cttggtcagc tgggagcttc tgataggaga ncagcttcag 660
ggagagtgaa aaaggacacc nttcaccctg ancaagatgt gggacattgg tgtcaacttc 720
cggctgcana agggn 735

<210> 2375
<211> 1111
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1111)
<223> n = A,T,C or G

<400> 2375

cgganctgnc cncannnccc anaagccncg ggcnggcccc nggcggggnc gacctccana 60
ngggagcccc cccttgngtt nnccnaccnn caangncaga anccnacggc gnnntttttt 120
tatcancaan aannacccaa cccaccgggg gggggnttan ttaaaaaaan ccnaaanccc 180
nnnntaaccc nancacccgc cccnacancn caanaaaaga gacaccacac cgnaanaacc 240
acaaagggag ancnnnacca gacnccanaa cnnaaaanac acnccacaca caaatagnaa 300
nancaccccg cccaaaaaac gncngaanaa aacacnccna cacagnnnaa agcaccanaa 360
nancaacagn acnanggnna angccaccan cntcaacnac ccnnaccnaa aaaaanacca 420
aacaannntnc naaaatagnn canacacccc ancgaacnaa accannnanc ancgnccacg 480
anaaaccaan naannannna nacacaagnn ncagcacgga naccaccnan gagcgtnnaa 540
naaggacaca ananangncc cgagaaacaa cangggnnac naananctcg antgngnnga 600
aaccngaaaa ntaccccaan naacngganc cccgtaaaac aaccaaacag acnngcggcc 660
caaaaacnca nggnaagagc attacaaaca caacaaacnc agaccnnagn ananacaaca 720
aannnacnan tacacgaaac tgcacaccnn aagnacaant nacatacacc ancgaaccnc 780
tcnagaaagc actnatnacg gacnanacnn ganatcancc nnnaangcac tacacannaa 840
catgcagagc nnnnaacaca tancacaaca nnngcnctca caaaatanan cacaacnaca 900
gccancaann gncanaacac accgaancgg agntngccca taccangcaa nnccacacan 960
aanacannga gnacnnccnn tacacganac anaccccana acnaancccg ataaaaangc 1020
gtnnacaanc caaaacacac ntanacgcgn acgagccgac acacaaagac gacaannnnc 1080
accaagcgan naccacngna aaacgcgccc g 1111

<210> 2376
<211> 771
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(771)
<223> n = A,T,C or G

<400> 2376
gacnactccg ttacagnctc ctggnnnntt tgcaggagcc catcgatncg ctatagtgng 60
ccctctgaaa tggacctcan nggaaaattn gtttggngtt ncattanngc tnttncnccn 120
gntngacata attacttcta ccgatgtgaa tgatacggat gccggcagag cttccagatc 180
tttcagactc aactgctagg tcaattagtt tgtcataata aaacttggca gattctacaa 240
gtctattatg acaaaccagg aactaattct ataatggaaa actatccatt ctgaataata 300
ggtatgtaat tatttgctgc tgctgctgtg ctctgtaaaa ttcttgaata tgacatttaa 360
actctgtgcc tactaaaggt atcttctgga gtttttggga ggagagaaac tggaaaatta 420
aattgtattt ttgccagaag actcttactt gcatgtgtct cagggtcttc agtttttcta 480
taagtttcca tatccaaagg ttcagaattc atgtgaaatc ttctttgggg caaaagtcct 540
tcattcctgg tatttattgg attgggaaat ctgtagcaaa gatgctgntt aaaaatacca 600
tattgggttt tttatcttat ccttagctct ctggctattg acttcctttt cttgnttgaa 660
gttagcttca aatttgctct atgctaaata cctgnaaaat attctgggat agggaactac 720
ttgaaatagt aattnggtaa aaagatatga ccaaaatgaa aatncttaan n 771

<210> 2377
<211> 730
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(730)
<223> n = A,T,C or G

<400> 2377
tttaancccc gntcgngaca ttngnnancg cgtctgntnn aancactact acgcttgtgg 60
ttgcacacan gacgaaaagt ganaatgcat tngcatgaca cagcattcnt aggtccggca 120

ctttngttnc tnnnccnnnn ttnnnncagc tgtanngatn aatanatcnn ccttnngata 180
gccctggtgn cctctgnctn ctgatntgat ncgntactgt gtcagtgtan gcaatcagan 240
cgcgnctcac ctncacatac atgtttncnn aatcaaggtc tctacagctc atcctaatca 300
ncattaatna ngtaatnggc tatnncgaac ataatgttnt ctgcangaan gaaagtnnca 360
tantnangan aatggnggtg gataagaaca gatataatga ataacngnca cagctgtann 420
actttnattn tgnnttattg cnaacacgcc ntaactatcc tgtgnganaa tgggaatntn 480
nantcccatc ttgcaattgc tatgttgcat gcagggttag gggcctgaaa gcatgcaaga 540
anngaatgcc atgtgatngg gnttatcctg gattcacaan aatactgtna tngcgagcca 600
natcccncan tggttganan ttctaatgtc gactgtntgc nggcncanaa catgattgct 660
ttntaattct nacaanaggc tggccngtaa gtacattctt gnctagagtc ttntgcacac 720
tttctntacn 730

<210> 2378
<211> 727
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(727)
<223> n = A,T,C or G

<400> 2378
nttaaaccnt gntcgaattc ggcacgaggc cttttgttgt gaagttgctc atcatttagg 60
agtgtttaat tctaaaaagc cttcagccta agaaagcttc atctgtgggg accagagact 120
tgttgctcag ggagttagtg atgggacttg ggcatctgat ctgcaggtga caagtttagt 180
tcaactgaag ttgtagggaa tttagacagt tgcacatcat tgccgttcta ggggccttgt 240
agaaagatga aacagttgtt tttcatttac cagcacctct cagttataga ggtaatggaa 300
cattcgctta cttttcatca tcattcttta aaaagggaac atacaaaaat ctaaactatg 360
gcaataattt atttttataa tagtttacgg taggctttaa ttaaatggca aactcctctg 420
ggacccctaa gttatggcgt gattagccaa atttgatttc caacagtcat ttatggccat 480
aactattgca tagagtgcag gatgccagca aagatgaggg tgggggcaga tactggctca 540
gtgatttaac tcacattata gatgacccct tnctcaacag aaatgctact gagagaacca 600
gaaaagcctg ggccaggcag gtcttatttg agaggagatt atttgataat tgctttggtt 660
agaangactt tacatttcct gatttcaagt ccaccaccaa tttagaaagt tcagagatga 720
aaccccct 727

<210> 2379
<211> 962
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(962)
<223> n = A,T,C or G

<400> 2379
atgnnnnnnn ngnnnnnnnn nnnnnnnnnn ngnnggnnnn nngnnnnngg ggggnnntng 60
nnnnnnnnnn nnnngnnnnn ngggnnnnng ngngngnnnn nnnnnnnngc ctnggggnnn 120
nnatanannn nnnnnnnnnn nnnnnnnngg ngntgnaaaa ncccctttt ncccaagaac 180
ctccccttg gggggnnct attttttnta ttatttnggg ncacncccc nattncngnn 240
nnccccgccg anacnaannn gggatggnta tnnntngnng tgnnngaann nagagggaga 300
tgtgcnnntc nnanntnttt ntnttttngg tnngntagnn nnntngntnc nanntngntc 360
annnatnggt nnnanannggg gggggggggg gggggttttt tntcttttaa nannnnattg 420
ntgctnntnt ntttnntnaa cccncntcta cnnttcangc ggnnatnggc nnantntcng 480
atnggggtnn gtatagaagt nggnctgttt tnnnnngatn nncntattnn ggnnntagng 540
gcagnngtta tgngnngtgt tnntggntgt ggacnttngt ncanntatnt tntttannnt 600

ttcntttnta tnnnatnatg agngnnggtg tgntttngna nntnatgagn gnnntanann 660
ttngtcgctn ggggnatntn tntngnnagg ntnnnnatnt nttnnntnnt tgntntttnn 720
ngatgtttgt nanntnngnn cnnntataan nngtgactng tattntgnnn nttggtnnct 780
cncttncnna gggtnntnnt ngagagtggt atanggnnat ntannngagt tantngnngn 840
ngtntnncta ngtanngacn gngnaannng ntgnggnggg gnnnaaanaa ggnggggggn 900
ggggntatgn tannaaangn tgtntaacan ntttnctatg ggggggggan ggagnnttna 960
tn 962

<210> 2380
<211> 909
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(909)
<223> n = A,T,C or G

<400> 2380
tntnnntcgc ntntctnnan tnannnataa ttatnttttt ttntntttac gnnntnntgn 60
ataaccgtcn tgnaactgta nttntgnttg tccannatca gganatannn cncnnnnnnn 120
nnnngaaccc ttngantang cccacgtacn atanctngtc ttaannacaa atttatnant 180
aatatgggtg cacaaagaag gctttantgg cttcaagagg tatgngaccg ctgccgaggn 240
ctttgagctt gangccaaga tcgcagttgt tgaaaagtat aacatcagga ttccagagct 300
ggtgcaaagg atagaaaaat gccatataga agattnggac tttgcagagt acattctggg 360
cactgtgcac aaagccaaag gcctggagtt tgacactgtg catgtttttg gatgatttgt 420
gaaagtgcct tgtgcccggn ataacctgcc ccacttccgc acttcanagt tgagtcattt 480
tctgaggatn aatggaattt actgtatgtt gcagnaactc ngagccaaga agcgtcttat 540
catgaccaaa tnatttggaa ancattttga nttnggcttg gggagtactt nttgcnagca 600
gagcttgact ancaccgtnt taaaaacagg cgtgggttgc gcntgctgng tgggacaatg 660
caacaatgcc atccntgttg acaccgtcct ttaccattga agaanctgcc ccntctcntt 720
tagccancan ggaaagggaa aacaannggg ggggcttacn ttatggntca nntnctngag 780
ccgggangna agctgccatt ntgnggcccc ctgggcgttn ccntnacana ntctttcncc 840
ngaanccatg gtggccctcc cctagggtaa nnggccaact ggtggggagt aaacatnttn 900
tntncttcg 909

<210> 2381
<211> 756
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(756)
<223> n = A,T,C or G

<400> 2381
attatncgnt cnncgcntgn tgcntntgca ngatcccatc gattcgcaga cagncnaacn 60
gacctttngg gttnatggga ccggnnttgt attntngngn tancccattt naaggggnca 120
cntccaacgg nnatgcccac ccnacgggac ggccttaatt atgacgangt cccgnncntn 180
ancggntcgt gggaaccgga anacggcttt cntgcttcct gcagcaaagg cttgggagaa 240
gaggtgcttt atgataacgc aggcctgtac gataacttgc cgcctccgca catctttgcc 300
cgctactctc ctgctgacag aaaggcctct aggctgtctg ctgacaagct gtcctctaac 360
cattacaaat accctgcctc cgctcagtct gtcactaata cctcttctgt ggggagggcg 420
tctctcgggc tcaactcgca ggtacggcat cttcttctgt aagattctag accaccttca 480
agtcacattg ctccaacaga gttttgcaac ttgtagtaaa tgggactcat caaaggcaaa 540
gcataatgtg ttttttttc tcaactagaa tataatttgc agcctgacta ccaaggaact 600
gatgagatat ttctaacgag ctcatggttt atctgaacca ctgtgttctt tgcccacatc 660

tggctctctt tctgtcttgg gaaaattccc agtgaaaatt tgtgaattat gtcaactaaa 720
ggcagagaan ttaaaaaaga aacnggtnat aaaann 756

<210> 2382
<211> 726
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(726)
<223> n = A,T,C or G

<400> 2382
tgaaccncgn tcgantcggc acgacaggaa taatgctgac atacatacat atatatatat 60
atatgaagag agagagagag tcacacacag acagacagac acacggagtc tcgctgtgtc 120
gcccangctg gagtgcagtg gcgcaatctc agctcactgc aagccctgcc tcctgggttc 180
acactattct cctgcctcag cctcccaaga agctgggact gtaggcgccc gccaccatgc 240
ccggctaatt ctttgtatgt ttagtagaga cggggtttca ccgtgttaga caggatggtc 300
ttgatctcct gacctcatga tctgcctgcc tgggcctccc aaagtgctgg gattataggc 360
gtgagccacc acacctggcc ataatgctga tattttagtt cagggtcatg cagtcaacat 420
tacagatgtt gtgaaggact acatgttcat ttgtccaaat tgtcccttta aaataaggag 480
attacaaaca aatatttgaa gctctttgag gaggggcttt tcagatttaa agtgataaac 540
cttattagtc tctctttagg cagagaactg aagatacatg tatatctcaa acttgtgagt 600
gaaattctct ttcagacttt aacattgaaa agntaatttc taattctttc tcatatatnc 660
atgggcattg gtaatgatgt gccgaanatg tcctgtaact ttgagaaang gagaaaatta 720
tatgat 726

<210> 2383
<211> 856
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(856)
<223> n = A,T,C or G

<400> 2383
tactatccgt tcagctcttg ttcttttgct gatcccatcg ttcncttcgg cacgaggaga 60
tgtgtcatcc tggtgaatgt ccctttaact gcaaccagaa ggtaaaactt agatgtcctt 120
gtaaaagaat aaaaaaggaa ttgcagtgca acaaagtacg tgaaaatcag gtttcaatag 180
aatgtgacac aacgtgcaag gaaatgaagc ggaaagcatc tgagataaaa gaagcagaag 240
ccaaagctgc tcttgaagaa gaaaaacgaa gacaacaggc tgaactagaa gcttttgaaa 300
acagactgaa gggtcgtcgg aagaagaaca ggaaaagaga tgaagtggca ngttgagcta 360
tcactatggc aaaaaacata aatattatct catttcagtg tgtggagttt gtggttgtag 420
tgtttgcctg gtacatcacc catgatgtca attaaaaaaa gttttgatct tttaatgtaa 480
ctcagattgg atttagataa agttgttaaa tttgaaatat tagaaaatgt ntattataga 540
acatgatata tatttacatt catctctgta ttccctcagc ctgttgttta gaanggacag 600
gaatngttta aaacttttat ctttaattta gngtantacc taagaaaagg gggccaggta 660
nttaattacc ttggttntaa aaaggtngaa aagggccttg gaacttggaa aaaccttnaa 720
aaattatttt ttccattnan ngggctttta aaccttanga ngggcccagg aagtttaacc 780
gnggntnttt tgggntncat ttgggggcct tccctttggt tnccnttaag nttnttttcc 840
atttttaaat taatnc 856

<210> 2384
<211> 733
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(733)
<223> n = A,T,C or G

<400> 2384
nctnaccctt ttncnngagg tctacaaccc attagggcag aatggaggca aatgaataat 60
attcccttgg tctcagagac caacaactac agaattatca agcatggcca aaaattgttg 120
ctcatcacct ctcgcacccc acagtggaaa aagaaccggg tgactgtgta tgaatatgat 180
attaggggag accaatggat taatataggt accacattag gcctcttgca gtttgattct 240
aacttttttt gcctctctgc tcgtgtttat ccttcctgcc ttgaacctgg tcagagtttc 300
ctcactgaag aagaagaaat accaagtgag tctagcactg aatgggactt aggtggattc 360
agtgagccag actctgagtc aggaagttca agttctcttt ctgatgatga tttttgggtg 420
cgtgtagcgc ctcagtgaaa tgcacaggat caacagggtt tgttgtaact agattgaaac 480
actaagttgt ttttactgtt ttggaaaata tcttaaatat ccttttttgtt cctaaaggag 540
aggaaaagtt gattaacttc tggtttggtt tagaaaaagt aatgtttgaa atacgaaggt 600
aatttaatgt tacaaatttt aacactcaaa tcaacctttt aataattttc tgtgctaagg 660
gtccaggtat tttaatttgg attatttaag tatggttatg gtttcatgga cacttaattt 720
aggctttttg atn 733

<210> 2385
<211> 759
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(759)
<223> n = A,T,C or G

<400> 2385
ganatnctttt caactcttgt tctttttgca ggatcccatc gattcgaatt cggcacgagg 60
ggtcaaaaga aaccacacgc ttagattggt aagagggcac cctatgaaat gaaatgggga 120
tttcttgagt ctctttttttc cacgtttaag gggccatggc aggacttaga gttgcgagtt 180
aagactgcag agggctagag aattatttca tacaggcttt gaggccaccc atgtcactta 240
tcccgtatac cctctcacca tccccttgtc tactctgatg cccccaagat gcaactgggc 300
agctagttgg ccccataatt ctgggccttt gttgtttgtt ttaattactt gggcatccca 360
ggaagctttc cagtgatctc ctaccatggg ccccccctcct gggatcaagc ccctcccagg 420
ccctgtcccc agcccctcct gccccagccc acccgcttgc cttggtgctc agccctccca 480
ttgggagcag gttggggcga gctggangcc cgggctggag gggcagtgtt gctgttcata 540
gattttgttc cattgncgtt gctctgttga atttaatttc agtcttcctg aatcttccct 600
tctgtnaagt gtacattacc aagttccttg ntttttttata tatatatata aatatatata 660
tatacaaact gtctcttttt gcctttgaca ttcaggcaag aaganaaaat aaatcttttt 720
aanaagacaa tccnaaaaaa taaaannata naaaancct 759

<210> 2386
<211> 1107
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1107)
<223> n = A,T,C or G

<400> 2386

gaagacnctn tcaactnctg gtgcttttng nnagncccct ngcccntntt ngncgangan 60
atctnaggtc tataagacgg ntnttttnnn tcnaatgcca annntnnaag ggggggnngn 120
nnttntaaga atnngtngga annnntngcn caaggaatgn ncnaanctnn nannccaana 180
ntatggatna agggttggac agggctttnc nanatgnatn ctggnaaaaa gcntntggnt 240
gncncccaan ccttgacccg gttccggttn aaaggggaaa aacctaaaga aannngntta 300
agntngtttc gcatncngtn attcnagcnn gagnttacag aagnttantn tttccacaaa 360
aacnaancat gggccctaac anaatnaang ggnanccnnc gggcnctttt ttngggtatc 420
cttggggttc ttttcnaacc caaaaaaggt nnancaatnn cnattccccc aantncaccc 480
aattccgnnc ttnggnccnt ttcacccccc cnagnccccc nattgntcng gaaacccanc 540
cctttctatt gaaacanatn gncnttnnnc cntccttttt aaacccncgn tgggggcctt 600
ggccccggtt ccaaactttc ccttctnccn attgggntta ctgccttggc aantactcgg 660
ggnaacatng gcaattggnc tttaaaatng ctccananaa nccttttaag tnggccttgg 720
aacccaaagt ttnnttttnc aaaatatgng aaaaccatgt atcnccggcc ttngggtaaa 780
aanaaatgtg gccaaggata taaaattggg ttcccccaat gnggccnggg cccccnctaa 840
naattcctnt ccaaggannt nnttgncctt ggggnagaaa attttttag ggggtanncc 900
atacnancat ttagnggggg ccaggaanca aggnangggt ttccccantg gggngcaata 960
tntctagtna aagcttaatg nttgggcacc ccccnaacca atggaagana antttgnggg 1020
aaangggata aaancnanna aagtccnnaa tttatnnngg gggcctaatt ntgcccangg 1080
ggaaanaact anggggcaag anaaant 1107

<210> 2387
<211> 724
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(724)
<223> n = A,T,C or G

<400> 2387
ctttaaacct tttncgcctt tttctccgac gaccaggagc cctaccctgt gactgatatt 60
tcggacctga tccgggattc ctatgagaaa tttggagacc agtctgtgga gcagatcgag 120
cacctacgtt acaagcacag gatcagggtc ctccaaggcc acgaggacac cacaaagcag 180
aacgtgcttc gagtcgttat cccggaagtc tcaattcttc ctgaagacct agaggagctc 240
tacgacttat tcaagagaga acatatgatg agctgttact gggagcagcc caggcccatg 300
gcctcacgcc acgaccccag ccggccctat gctgagcagt accgcataga cgcccggcag 360
tttgcacacc tgtttcagct agtctcgccc tggacctgcg gggcccacac ggagatcctc 420
gccgaaagga cgttcaggct cttggatgac aacatggacc agctcatcga gttcaaagcg 480
tttgtgagct gcctcgatat tatgtataat ggagaaatga atgagaagat taaactatta 540
tacaggcttc atatccctcc acactcactg aaaatgaccg agacagccag tcgccgttga 600
ggaatnctct gttgtcaaca tcgagacccc tggttttcgg gaaaccaatg gtgatgcagt 660
tgattatcag aaacagctga agcagatgat taaggattag cccaaaaaaa aaaaaaaaaa 720
ctcn 724

<210> 2388
<211> 966
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(966)
<223> n = A,T,C or G

<400> 2388
nnnnnnnnnn ncntnnnnnn gtgnnnnnnn nnnnnnnnnn nnnngnnnnn nnnnngnnnn 60
nnnnnnnnnn nnnnngtaag aatcctttca nctcccngtn cttnntgcat gaacccatcg 120

attcnaatnc ggctccgagg nnnnatntga ntantacnca cggcacattn tttttcaggg 180
ggaangngaa cgaacgcctg ctggggagtg ggctggacnt gactgttnca ttgcaaagnc 240
anaggtnaga gcctggcgca gnancatnga ctcngnngga tccantgnan gcnnnncnag 300
gggccannca ggaagggncn tcaagnctat ttcctcatac gcaccgggat gacatggatg 360
atgntgacag ggccccatan cccnntggga aagtgaagnc ananaaaggn cagggnagtg 420
gnantaggnt ncagggggtg aggnnataaa antaatanta ctcnctgttg naaaactcct 480
aganggnaaa tatngcntga agaaatatca cgaannatgg gaggaatcnn natcgtttat 540
atacncggtt gnttgaaaag ancnatnacc nnctgatcca cataaggnct tnntnnacng 600
ggatntcctg gaccggnatg gcnctcancn ngnaacagnt tccnaaccng ggnagggcan 660
gcnncccagg gccttnaatn cnangntgcc gggaagccan tcaacttgnc gncaaaatna 720
ggaacttggg cttgacctgg nttgnccntc cnnaccgcgn tngantgact tggatgggan 780
acatacaacn ggncnttngc catatggtca ggtggcaccn gggtnnnttt tttaaccata 840
nncagaaccc nagggaacgt tggngtanaa ntccncnata gcccagtatt tggntattct 900
ttaanggggc ggaacctcag ntnnaatttt ttgggtccaa aaanccntgg ttcccnnaca 960
tannan 966

<210> 2389
<211> 1130
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1130)
<223> n = A,T,C or G

<400> 2389
tnggggngaa angcnganga annggganan nggggctnac gannacgggg nnatnnnnng 60
gnaannangc cncgnaanan gtaatncgng ngncncccnc atgnaangtn angganncnn 120
tagcgcngan ggnncgggca natnnngaca cacnngcnng cgtttnnann gtangnnacn 180
ncgnataaca gcncnnncnt gtcgtagnna ccaancnnac ncnnacnang cttttgnaaa 240
cncntctcan gcgccccccg aacgcnaaat aantnatgnc gncccccccc ngaggngncn 300
actgnggagg gggggggggg nacacntttt taccaacann nccaacccan nnggggggcgg 360
tnggaanaac ccantnnctn ntttnactnc ncntganggt ggccngngnt ggacggntaa 420
ncaaacacnn ngcgagagct nncgccaccg agcnagngnc nagaggaccg nnncgntcga 480
gngngagana agggngngca nnnctgccgn ngcngnngag tctgngatgg cgcncnnccn 540
nnagcggccg caccggnann gannggnnnn nannannnna gggaganaat gngnaggngn 600
aannnncngn aannagaann annggtgncn gaaganggan ngnagnacng acgccncgng 660
anngganggnc ggcngnntng ggcgggagga ngnnangtgt cgangngngg cngntnccnc 720
ngacacgcgg ggtagttgtn gcgacacgnn ntncagcann aannganacc actcacanca 780
gattangctg atngtnaanc nngcgcggcn nngagnaacg gcncangatn cactngtnng 840
cggggnnagc tnnacgcgtc anagcgnnnn nntcgcggcg cnagngggcc gagnacangn 900
aagggancga ccgagtcagt cgnangncgt naagcncgca ncatcggaga ctgncacaaa 960
cncgctcagg aacnngnngt ctctggnaca gcaagctgcg acntgtngcn ganacagngn 1020
acgncaanan ggngaaaann nggcggcgca cngaggcgnc gcgnngtgcn cgtacgancn 1080
tgggagacan ccncgagatn cgacnnncta gagtgccagn agagcacncg 1130

<210> 2390
<211> 901
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(901)
<223> n = A,T,C or G

<400> 2390

tcntncnccc tccaanctcc gtgctctttg caggagccct cgattcncnt agatgaaggg 60
ctganaattt tanaaaaagc gccttnanaa gcctnnnnag nattnctngg aaattattgg 120
ngnccaaagc ccctagncng nttngggnna ggcaccnncc catggntnta accccgttcc 180
caaaaaccat ngtnaaannc nttaggattc naggtttgga aaatcttttt tncgnttant 240
tggtanttnn cttcccaaaa acccccntta aaatagccct cctttcacca tggctatctt 300
tttttcaagg ttttatatgc antagctctc tcagcacctt ggaatnggna aaaactggta 360
ccagcanttn gggaggtggg ttttttcttt aagaacattt tgccagatct ttatcttcaa 420
gggnggacta aggaaccccc agagcctaag ttantcttgg nganggcaat ctctgcgaac 480
cgcctgaacc ttaccctaag ttgggtttct atggaaatat ggtagaaatg ccacctggca 540
agtaanccca tttggtaagg aanggtacct atacccgggt ttttttgggg ggcctttgnt 600
nggttggttg gtttggggtc tggagaaatg gtactggccn acccccttct ttttattaaa 660
ganaaagaaa cctggatttt tggataccnt tatttttttaa aaaatattga ataggttcca 720
ggaagtttaa atngggatgg tttaaaaaat ttttaatttn cttttggttt nggggcaagt 780
tnggaattta aaatccggng aaatccttat taaattccgg tnccctttt gggggnaant 840
tnttnttanc cccggnttta ttaaataaat acctggggcc cccaanccnn ttttgnccttn 900
n 901

<210> 2391
<211> 732
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(732)
<223> n = A,T,C or G

<400> 2391
ngttttgacg ncctncgatt cggcacgact tanaaancga aaacctggcg ctgcaaaatg 60
tgcaggctcg aatacggatg gtcctctcct atctgtntgc tcagttgagc ctntggntnt 120
nggggtgtnc acngngggct cctngtgctg ggatccgcca acgtggatga gagtctcctg 180
ggctacctga ccaagtacga ctgctccagt gcggacatca accccatagg cgggatcagc 240
aagacggacc tcagggcctt cgtccagttc tgcatccagc gcttccagct tcctgccctg 300
cagagcatcc tgttggcgcc ggccaccgca gagctggagc ccttggctga tggacaggtg 360
tcccagaccg acgaggaaga tatggggatg acatatgcgg agctctcggt ctatgggaaa 420
ctcaggaagg tggccaagat ggggccctac agcatgttct gcaaactcct cggcatgtgg 480
agacacatct gcaccccgag acaggtcgct gacaaagtga agcggttttt ctccaagtac 540
tccatgaaca gacacaagat gaccacgctc acacccgcgt accacgccga gaactacagc 600
cctgaggaca acaggtttga tcttgcgacc atttctgtac aacacaagct ggcctttggc 660
agnttcggtg catanaaaaa tcaggtgctt caacttcgag cctnttnaac tatagtgagg 720
tcgtattacg tn 732

<210> 2392
<211> 760
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(760)
<223> n = A,T,C or G

<400> 2392
nttgactcgn tcgnttccga ctangttcnt catncatgac aaannentga atntgctncc 60
agatggtagg acatgnacct ngaccttggg aanacncaaa cnntngtntc tgntactgcc 120
ctnccacant naccnnaata ttacnngcac tgccccagnn gattgnnggc cncnctgnct 180
nnctnctgtg tgcacnccng naaagncngg gcctcgntnt ccatntcnta cctnncactg 240
cattaagnag atggnnnngt cccgccctga cctgagtcta ggcgngctct gctgctgnga 300

tntgaacana nctcnaacct nnacagnnac tgncgggatn ctannagtgt ntaatnccca 360
tgtggcantg ttgcactgtt gcnntccatg ngntncatgg ncaaagcata accttccatt 420
aactantgaa accnttntat tggttgtang tcnngtnaat aatgatgggt actatggctt 480
taaaactttt ttcacatgct ngcacctctg gatngntngg nanaccaaag cnnggtcttt 540
aaccgcgcct cantttnaan anannnggga gncnaangct tnnatttntn cntanncgga 600
aactnncanc tacannttnn ttggcaacna tnccatngca nnncccttna attngggngn 660
aagngaaaan ggctnccctg gnnnnaagga actgggattt tttnaaccct ngaaacgnan 720
anaaannngcg ggnggtnggc ncttccnctt tttcncccct 760

<210> 2393
<211> 741
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(741)
<223> n = A,T,C or G

<400> 2393
tatccttcac tcttgtcttt tgcggatccc tcgttcgaaa caagcnacct ntnntngtga 60
tnggaattgn naattnaaaa ggnggntnnt ngggtttngg ccaccttaac caccaaantt 120
ngaantggtn gattgaggnc cgnngnccnt gntgaaaggg nccntttgga angggttggg 180
gnggaaggga antntttccg ggtgggtntg aanctgttgg ctttccaggt cantttttgc 240
ccntncancc ntncttgcag gatgatcaga aatcacggcn cctcattggg aaggttaaga 300
ctggaccaaa cnttttccaa gggtgagcat attcaccgtt acctgggaag tctcttcttt 360
cccacctggg gctaatcagg ttaccaattt ttcaaggggt aaaccaaact tacccacttc 420
cagggatagg ggaaagtggt ggtgggaata aagaagaacc attgataccc tgganggaag 480
gggaagaaac ccccaagcct ttttcctact gaaaaaataa gggtgacatg tcagtcaaat 540
cttgatcaac tgggacttga gtttncagtt aaattcctac actaggaggg agtttctatc 600
aaaatnctca gattgaagaa cttggttatt agaaccanct gtccttttca aactgttaaa 660
atagatctgn ctcccctang atgatcatgg cctggtgggg ccanaatccg ngtgtttgna 720
cctgtgcgat ttatgcataa a 741

<210> 2394
<211> 914
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(914)
<223> n = A,T,C or G

<400> 2394
gntattcnnt cagctctngt tctttntgca ngatcccatc gattcncccg gctgaacacc 60
tcccancatg ccatgnacnn ncntcggntg gnngagannn gaggggncct ggnntaangn 120
tnagttaaaa ganctctggn ngatgtancc cttcctcgcc ttagggcctt aatncntnac 180
ttcntgtcnc ggttgcncnt ngaanccntt ttccntggaa ncatancaaa gcaggctgcn 240
ttaggaatta tgcagatggt tgaagacacc ctcattgacc atgctcatac caaacctctc 300
cttccaagtc agcttggttc ggtatagaag aaagttcagc tccctgacag aagggatngg 360
ttttggttta tcaagcagaa gaaaatgaaa gttcaccaaa taacctggtg ggcantccga 420
gnatattact taccccaaac caggaccatt ggccaaaagc caccttcaa gaagaaaata 480
atggtttttc ttgggaagnc ttcntttctt ggtccaagaa atttaattcn ttcnggggaa 540
acccctttgg ccttttcaaa ccaacccccc ttggcggncc ancccnaaag gggaagccca 600
agttttgggg gggccttatt aattccggtc cnttttcnag gccgggggcc ccancggttc 660
cgnaggcctt aaatggggcc attaaccaag ggggctttng gaagnaattt cattcaatnc 720
caagtccaag aaaaaagccc ccctcactta ccctaaaaaa gccagaagtg ggaagccttc 780

tttaattacc attgggaaaa agtccataga nggacatgac agaagangcc ttncaaaaca 840
catttcaggc attagcaatt cgtcgactag accaacccaa gaactntctg ctgagtgtgc 900
taaaactggg gana 914

<210> 2395
<211> 728
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(728)
<223> n = A,T,C or G

<400> 2395
ntttacaccc ttcnaattcg gcacgagaga tagtctctga atttagaact gggacgaaag 60
tgtacataat agggctatta taaaattttt agaattggat ttctaaactt ggggtcagtg 120
aatctagcag gcttaagcag tgttctcagg tttttctggc acagacaagg aatataagag 180
gaggagagaa aaggagagac agtagtggga gggaatagaa tgagagaaga tagaaaatat 240
ggaattaata gagaaaggat acatgaagta ttacaagatt ttcttggaaa aattggcatt 300
tcagtgatgg atcaaagatg tctaatgagg caaaatacta ctattactta aatatttaat 360
gttttaaaga tttgaggata aaaggatata gatctgatgg cgttcatact aattgctgta 420
gtgttgatgt tggagagagg ggtaatgtat caagacagag cagacagacc ctttacaatg 480
agagcagaag atatgttgtt tactgattct actttcccac aaaatgctaa tgcttttata 540
agtccctcct ccttattttc tagattaact ccttgtttct tcctctaaac agaggattat 600
ggcagacagg caaaaaaaaa acctntanaa ctatagtgag tcgtattacg tagatccaga 660
catgataaga tacattgatg agtttggaca aaccacaccc ttatnnnnnn nnnnnnnnnn 720
nnnnnnnn 728

<210> 2396
<211> 1632
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1632)
<223> n = A,T,C or G

<400> 2396
acnncncgan anaagnnaac nngtannnan anntgcgtaa ntngacctnc aanncancgn 60
gaangcacga tagtanganc tacannnaca cgcncgnacn gcnnanannc nnncgnccac 120
angacgcgat cncaannaac tnagntggna gcancncncn ananagactn anactatacn 180
acncncannn nannactngg gaaaancctn ttgccaaaan ancccccngn cgcgganaaa 240
agatacngnc nancnagaga nnagtcncnt anaacacggc atnaacnnac ancgtngngg 300
gagngntnng acnntntntt tatanagcng cgnactcaca cnaatnccnc ncnnncgagg 360
gnggggnggg gcgttnaanc anaagngaaa tncnccngat nnntnanctc gancacaccn 420
acnctcagaa nagcncnnta tntaagngan ntnnaacctt ggnagcaaaa nnnnntaacn 480
annaccncnc nacatnntaa gaatnnnaan aagncngcac ancaanaanc caanatacnn 540
antcggnnan ngcngnnnat aacnngncgn aggtnnnaag aanancannn cnngagacat 600
cnncaacaan anaacncnca nnganangat nngangnnnc nnnnngncnn ncnantccga 660
nctntcnanc acnnntantg antntacncc aggantgatc acacgnnggn nnatgaagat 720
anactccann cancacngct ganaccnncn canagnacng tataagctna tcacncaacn 780
ntcgtntcgn ggtnaacnna tntntannnt anngnngcgc gtatnngagc anacatntga 840
cacatannan nanatcaaga ccggcatnac catgaatnac ngaggnntcn cnannacaca 900
gangcaagac ngacatncgt ngcgatantt cgccgngana nntccnnaan aataatcgcg 960
acgcanaaan atgagactac ncnacaaann cacnttanaa taancntgaa tancanagna 1020
cctgcgntta taaacagnna ncnnnaanga gatancgatc aaancccgn angntccang 1080

ataactcacg tncatgnntg tcgaccnaaa tgacaancat nanacgagng acncgaaaca 1140
gaantcagac ggcgnnntan tnaccccatn tcgtcatntc ctnctntnta acgcnactnt 1200
tnagcnnnac gtgncngcna cagcnantan aaccaccaac atcnccatan gtcgctnaga 1260
caaaacgaaa ccgnancnta tanccnngnn cattccacga anatacnana cncatcatnc 1320
tcagtagcta tgaancgcga cgcncanata gcaanaanac nctacataca cgcgnagact 1380
agancgcaaa nntacgcact nantagnana tnanaaccac gacntacaga acaactatcg 1440
agcacgccta cantgcatga catgacanac ncacnngnac gagtanaaca tanntgntna 1500
ngtcntaacg agcanacacg acgaancacg atnnaacanc gnacacaacn antcantatc 1560
angntacgca gcnntnncnc ggcacntaag ngcananacc ganacacctn anacgtcncg 1620
catcnnnncg cg 1632

<210> 2397
<211> 957
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(957)
<223> n = A,T,C or G

<400> 2397
tntaatnctt tcanctcttg gtctttttgc angatcccat cnattcgctg cactgtgaac 60
ctgggcactc cgcgccgatg ccaccggcct gtgggtctct gaagggaccc cccccaatnn 120
nactgccaaa ttctccggtt tgccccggga tattatagaa aattatttgt atgaataatg 180
aaaataaaac acacctcgtg gcaaanaaaa aanaatntaa ttaaantana attaaatnan 240
aaattctcng nncntttaaa antntaantn gantctnntt tnctnatana tccnnaaana 300
tcgntnanta ttcctttntt tgnaggnttt ggaacaanat ccccccattc ttagtaattg 360
ctanctgtaa aaaaatattn cnttttttnt nntttgaant tnttnngtga ccccccttcc 420
gtctcttatt ttgntaancc cnttttttta ancentgtta nttnacccaa nnttataccn 480
gacnaccant ttggcaattc tttttctant ngttaccnag ngtctnctgg tgtngtannn 540
tnctttaaa attttttttt aaatttctct ncgggtctcc nctgnntncc natattncna 600
tctggggccc tcgngctncc ccnacntttt tatttttccc nttttaann natggttttt 660
tattgtctcn ctcttggntn nctaancncn ttggancatt ttccttgnnt tncttnttng 720
anaaaaattg gannantact gcttctccaa nttcnaacat taaanatnnt cnaatctngt 780
ngatcnatta atnnctnnna taacgctcnt ggtnanngtc cncanttctt ctcntntcnt 840
taaccttcct ttttnattgn atgatcggnn cccnnatctg cncccnnnta ancncnttnt 900
nnganaaatc ccntcacntc tcccatatnt ntttttnngt aatctntcct ccttctt 957

<210> 2398
<211> 777
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(777)
<223> n = A,T,C or G

<400> 2398
tattattcgt tcaagctctt gttctttttg caggatccca tcgattcggc acaatgtcta 60
cccangggat gtntgttcct gacctgncgc ccaccttcta tggtgccntc aagaacctng 120
gcaccaacca atgcctggat gtgggtgaga acaaccgcgg ngggaagccn ctcatcatgt 180
actcctgcca cggccttggc ggcaaccagt actttgagta cacaactcag agggaccttc 240
gccacaacat cgcaaagcag ctgtgtctac atgtcagcaa gggtgctctg ggccttggga 300
gctgtcactt cactggcaag aatagccagg tccccaagga cgaggaatgg gaattggccc 360
angatcagct catcaggaac tcaggatctg gtacctgcct gacatcccag gacaaaaagc 420
cagccatggc cccctgcaat cccagtgacc cccatcagtt gtggctcttt gtctaggacc 480

cagatcatcc ccagagagag cccccacaag ctcctcagga aacaggattg ctgatgtctg 540
ggaacctgat caccagcttc tctggaggcc gtaaaagatg gatttctnaa cccactgggt 600
ggcaaggcag gancttccta atncttgcaa caacattggg gcccattttc ttttcttcac 660
accgatggga agaaaccatt aggacatata ttttagccta ncgtttttnc ttgttctang 720
aaatangagg cttccaaagt angggaaagg cancctnggg ggangggttc aagggct 777

<210> 2399
<211> 901
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(901)
<223> n = A,T,C or G

<400> 2399
ccccccnccc ctnatgncnn annannncnn nnnaacnaan cncannggcn tnnntnanan 60
atntnatatg ganaancgcc ctaatanncc nccgtacann naccncncnn acnnntgaaa 120
cccttcgaaa cncacgagaa aaaanaggaa ttttggngcg ggttgaccga gggttantgt 180
acanatnngg aaaaaaagct cacggggtgg gcaggaagac aagcctatgg atcntgctcc 240
angcatcaag ctcatntaca tgggattttc tggncnctna aaaacaatca ggattgcnct 300
agacattcga aaggcnngca ntntcntctc ttntgtttta acctgnanac angctgataa 360
aagtcctcca catctcagct tacatttgga ttcanagncg ntgncnacgg agggtgagag 420
cagaaactct taagaaancc tttcttctcc ctaaggggan gaggggatga tctttngcgg 480
tgtntngatc aaacttntat tttncctaga gntgtggaat gacaacagcc catgccattg 540
atgctgacca gagaaaaact attcaattct tgccantaga gacacatcca angctgccat 600
nccaaagggg tcaaaaagtt ttcaaataac ngtggcaagc tnaccaaagg tgggggaaag 660
catgataagc ttgcaggtta tggtaggaga gggngagata taaagacata cnntactnta 720
ggatttttaa antatnaaaa gncaaaaaaa tccatnagaa aagtatccct ttttttttt 780
tgganaangg ggtncntcca cttaangtng gcccagggcn ngggtcttgg nannctcccn 840
aaggccnnna angggganacc nnccccccanc tnggggncnt ccacaaangn anntcggggn 900
t 901

<210> 2400
<211> 699
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(699)
<223> n = A,T,C or G

<400> 2400
ggcttnagan tgcaatgcca ggggtgcctt cccaaaagtt ctttctgcct gggtggagcg 60
tagacagctc agcaccccac ggggggcggt tggaccagcc ttggttttgt tgggtaagga 120
tgttanaaag aggggcgaag acccatagcc actggtgtga agggtctgct cttgaccgaa 180
gctgcctccc tctgggtgca gaccagcagg tggtcccagn cacggtgccc tggggccact 240
gggtctgtct gccctcaggc tccactatac acacctgcng aggcagcana ctancancgg 300
tgtctgtgag gggcagntgc acagtcccct ntngagggtg ntcctaancg ttggntaagc 360
ccatgcgttt ctgctttttg gggagcagag cctggagtcc tgncattgtt ggggaggaag 420
ctatcncatg cttgagcgcg ggcctggggt gctgacctgc atcccaagan caaatttgcc 480
cctggccttt ctgggcctgn cctttcttgt aacaccacac ttgnacacct gggancanaa 540
gcgtgccccc cggcaggatc ccacantggc tggtnggaac actnngggca gcangtgact 600
naggtcnccc canaacttga gggaacacct tantccangg aggangctga agcttccang 660
gacacaanta aacaangtgg ggannnggan cctcacaat 699

<210> 2401
<211> 1344
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1344)
<223> n = A,T,C or G

<400> 2401
antnaaattc nnntactcaa gcttgcattg cctggcaggg tcggactctt aggagggatc 60
cccccggggt tacccggaac ttcggaattt ccgcccttan taagtggaag ntcngtantt 120
aacaaaattt cnacttgggn cccgtcngtt ttttaacaaa acngttccgg tggaacttgg 180
ggggaaaaaa aaccccntgg ggcggnttaa cccccaaact ttaaatccgg ccnttggcaa 240
gccaacaatn ccccctttt cggcccaagc ttgggccggt aaataagccg aaaagaangg 300
ccccggcaan ccggaatcgg ccccttttcc caaacaagtt ggcgccaacc cttggaaatg 360
gggcggaaat gggaacgccg cccttgtaa gcgggcgcaa tttaaagccg ccgggccggg 420
ggtggtgggt ngggtttaac cgccgccaag ccggtggaac ccggcttaca actttggncc 480
aagcgggncc ccttaaaccg gccccggct ttccctttt cggcnttttt tcnttttccc 540
cttttnccnt tttttctttc ggccccaacg gttttccggg cccngggcnt ttttttnccc 600
ccccggtttc naaaagggcc tttcttttaa aaaaattccg gggggggggg gcctttnccc 660
ccttttttta aanggggggg ttttnccccg gnaaattttt ttnaaaggtn gggccnttt 720
tttnaaaccg gggggnaaa ccccctttt ggggaaaanc ccccccccna aaaaaaaaaa 780
aaaacctttt tggggaaatt ttaaaanggg gggttgggaa aattnggggg tttttcnaaa 840
ccggnttnaa aattnggggg ggggccccca aatttcnggg nccccccntt gggnaattaa 900
gggaaaaccn gggggttttt tttttttcgg ggnccccnt tttttgggaa cccggttttt 960
gggggaaagg ttccccaacg gggttttcct ttttttaaaa taaaggggg gggaaccntt 1020
nttttgggtt tnccnaaaaa acttggggna aacnaaacaa cntttcaaaa nccccttaat 1080
tctttngggg gcctnaattt cnttttttgg aatttnaatn aaanggggga aatttttggn 1140
ccgaantttc ngggccctaa ttngggntta aaaaaaaatg gaagcctgga ntttnaacna 1200
aaaaaanttt aaacggcgna aatttttaac caaaaaataa tttaacggct ttaacnaaat 1260
tttccttggg aaggccgggg anttttttctt ccnttaacgc caattttggg ggcnggggaa 1320
nttttnaaca accccggnat aatg 1344

<210> 2402
<211> 733
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(733)
<223> n = A,T,C or G

<400> 2402
ntctaaccct ttcgaatccc acgagaccac gtcatataca gcctacaaag agctcttgac 60
tgtgagctcg cagaggccca gttgcnttcc actgccattg acaaagaggg tcgtcggnct 120
gttaaagcgg gagcttatgc tgcttgccag gaagcaaagg angatttaaa gagtcattca 180
gaaaatgtct ctcaacatcc acttcatgta gaagtattac actcagagat tatggctcat 240
cagaaatttg ctttgcgtct tggtcctgga tgaacaaaat tatgagctat tcaagtgact 300
ttaggcagat cttttgccaa gcatgcctta gagaagaacc tgactcggag aatccctgtc 360
tcataagcag gttaatgctt tgggatgcaa agctttataa aggtgcccgt aagatccttc 420
atgaattgat cttcagcagt ttttttatgg agatggaata caaaaaactc tttgctatgg 480
aatttgtgaa gtattataaa caactgcaga aagaatatat cagtgatgat catgacagaa 540
gtatctctat aactgcactt tcagttcaga tgtttactgt tcctactctg gctcgacatc 600
ttattgaaga gcagaatgtt atctctgtca ttactgaaac tctgctagaa gttttacctg 660
agtacttgga cnnggaacca ataaattcaa cttccanggt tatagcccag ggacaaattg 720

ggaagagtat atn 733

<210> 2403
<211> 769
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(769)
<223> n = A,T,C or G

<400> 2403
nnatccttca actcttntct ttttgcagga tccctcgatt cgaattcggc cgagggttaa 60
aggnaaacnt ccagggnttt ttcggaaatt tnattnggaa agggatncgc tttttgaggg 120
caaaatngcc aatctgcttg cctttataag ccngtngatn gtttaaatcc ggtttaccca 180
gtttatagtt nccctgggtg ctgaaaggtn tnctggatga tncctancca ncagagaacc 240
nttgaatgcc gttcaaaatg gactgaanca tcancaatgt ctgaaaaagg cctgacagta 300
atgtacatgt caaatggccc gtaatttaag cagagtagag taagtagaag aataaacatg 360
gggaaagttc cagcaacaga ggaggctttg agcttttgct cttcatcttg agtggatgtt 420
gttctcaggt ggtaataggc catcgagctt tctccactgg ctgctctctt ggggaacaaa 480
taaccgaaaa gatactcagc accctggttg gtacataggt ggtcagttga tttatacttc 540
ctggntttca gtgttgcttg aattttctaa atggaaacac agtaccttta taatcagaaa 600
acaatcccga gttttgattt gagggtgttt gtaaaaagtt naaaaaaaaa aaaaaaaaaa 660
aaaactcgag cctttanaac tatagtgagt cgtatttacc ttagatccng acatgataag 720
aaacattgga tgaagttngg ncaaaccccc aactttgaat gccagngga 769

<210> 2404
<211> 736
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(736)
<223> n = A,T,C or G

<400> 2404
ttttaacnct ttcgaatcgc acgaggagtt ctacaggtgg agtgtggggc ccagaaaggg 60
gctcaggtct taggggtgtc atctgaaaaa acagagatgg ttgatgggga caccagttct 120
agggagccct ctgcatggcc actttctgcc tcagctcttc taaagcattt cttctgttcc 180
cttccattgg ggtaaccact gatctgtctt cccaaaaact gagtcagaag ttggactttg 240
ttacttggct catctacatt taagatatag tcagaaaaaa aatgcagtct ttacatctta 300
agaaagctta catgggccag gcgcagtggc tcacacctgt aatcccagca ctttgggagg 360
ccaaggtggg cggatcacct gaggtcagga gttcgagacc agcctcaaca tggagaaacc 420
ccatctctac caaaaatata aaacttagcc aggcatggtg gcttgctcct gtactcccag 480
ctacttgggg ggctgaagtg ggaggattgc atgagcccag aagtgggagg ttgcagtgag 540
ctgagacgag atcgcaccac tgcactctag cctgggtgac agtgagaact tgtctcaaaa 600
aataaataaa taaataaaat ccattaaatt gccnannnaa aaaannnnnn nnnnnnnnnn 660
nnnnnnnnnn ntnnnnnnnn nnnnnnaaaa aaaccccccnt naaaaaanan tnnggggnnn 720
nttntnnnnn accccn 736

<210> 2405
<211> 802
<212> DNA
<213> Homo sapiens

<220>

09/534,500 - 050100

<221> misc_feature
<222> (1)...(802)
<223> n = A,T,C or G

<400> 2405
antctatctc tttnaactcc cgttcttttt gcangatccc atcgattcga attcggcacc 60
gagcgttnan gggttggnga aaaggccttt ttttncctng gtgggtgggn cccgttnnng 120
gccttcttnn nngggncaac ccagaaatgt ntgttnaanc cattanggng ttccanaann 180
ncnctaaaan ggnataaann cantcttcaa atcttaaggg acctttcctt nctncagatn 240
caaanncnag ancttgaggg ttncagggaa ncgaggtatc agttncttca gcttcgacct 300
gcncaganag catcatggat tggttatgct attgcttacc atttattaga agattatgaa 360
atggcagcca aagattttag aagaatttag ggaaaccaca acaggacatc ccctgacaag 420
gtggattatg aatatagtgg aactactctt atatcagaat ccaagttctt cgggaagcag 480
gtctctatag agaagctttg gaacatcttt gtcctatgaa aagcagattt gtgataaact 540
tgcttgtaga agaaaccaaa agggggaact tctggttgca ctatgtcgtt tggaaagatg 600
ctgccagatg tttatagagg gattgcaaga gagaaatcct gaaaactggg ccctattacc 660
aaaggcttgg aaaaaagcca ctcaagccca gcttaatatg ttagaaacgg cttaaaaaat 720
tatganggan ccctggacta aatattccca ggggactggg tgcccaaaaa ggcttgcccg 780
ttnaaacttt tttatctggn gg 802

<210> 2406
<211> 1160
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1160)
<223> n = A,T,C or G

<400> 2406
gncgnnggnn ggngangngg gngnannngng nnggngggan nggnggngnn ngangnnnng 60
annnaangan gagtcgnann nnnnnnnann gggaannngnn nngnngntnn ananagnngg 120
atganggggn nangggaaan tgggngangg ggngnganan gaaggangan ananagngag 180
ggaaagcagn ggagngnnnn nngcgngcgn nnggaganng ngtanngann cnncnnngcg 240
cncnnnnccc angttngnng aaaccnccgt tatgcggaaa acncggccct nngntnatag 300
gnnngacccc ngggnncgnn cccgcnggga gnanngnaaa nantaacggg gngggggggg 360
ggnagnaaaa tttttttttcn gatagnnnng aggancggng gnnntggggg gggagcgcgn 420
nagnnnagga anccggggna ttntgnggnc nanngcgcng nagcncaggn gcgnnggcga 480
agaaaggnca ntcaggantg gcggaaaggg cnnatgncga nanggnggng ngnnnnnnag 540
ngnnnaagnn nagggnnncg agnggggnag gggcgntcgg ggagnnggggg aagagggnng 600
tgganngagg gnagtggnga ancggnggnn gcaccgaaan ngnggagann gngngnnngn 660
gcannggggnn cacgagncgg ggnggggtnng aganngggagn cnngacagna cnnntnataa 720
nnngcnggnn ggngaacgag gagnggnnna agganagcng ggnggggnnga ncnngcnntn 780
nacggnnggn gatnatgcgc gcggnaacgg ggngnnnnngt gngagncgcg ngangtnngt 840
ntggatgcac gcgnganggg nntnnacnga nnnanngngg ntagggngan gagannngngg 900
cgagctagan gggacgagag gatggangan tgtgngngan nngngcaang cgnatangag 960
tgcgncgagg gggcnaanna tgtnngtcgg acgagngnga cggacgngan ncacgagcgn 1020
gnngaggagc gtngggnggg nacaactggg agacgcgcgc gaaggggtng annangaagt 1080
aacgtgngag acgagggggt tagnannaca gngagcgcag nggnnngang nncgngggna 1140
cgaggngngg nganncgcgc 1160

<210> 2407
<211> 756
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (1)...(756)
<223> n = A,T,C or G

<400> 2407
ntaacncnnn ttnccngagc atgatcccan gncctnttca cctctgctnt nncctgacgn 60
ngttgtatna gtaacngcta ttctaacagc ctcngttcag acangatgtc caatggtgnc 120
ntttttgcct gngctggggn gcctcatgac tgntggcccg nnggantnaa ctgcctgtgt 180
actccaggac tcatgacaat nctgtaacta gacctgccgc aactcatggn tcgtatgatc 240
attctattgg atctncaggg gcangggagg anganatccc cattntgcta cngctaatgn 300
gcaccnnctg nnnaaaaggg nannnncgan ctnganntgn nncccatgnt taaanactct 360
ntgcaaggcn ngcccgttca accatttctn atnnntccna cgnannnngt ncntnncnna 420
gactgattac nacntggtgt atntgggtag ggcatgttcc aacggggcct ctctcatggn 480
taatggggca tcggggaaan cacagaatac tttgcccttt aatanngatg atacanatca 540
ggatatccat tactcacatg tgtctggcat gcantancta cgnngctncn antgtctnnc 600
tttctggann tnttttgaat tgtanaaatg actttggccc taaaattctt ngctcagngg 660
ctnctagctg tgtacaccat ttgaacacat gtttnaaana atatcccacc cacnctnnct 720
tngcttcagn ctntggncag gtatgaacct nttcan 756

<210> 2408
<211> 808
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(808)
<223> n = A,T,C or G

<400> 2408
nctatccttc aactcttgtc ttttgcanga tccctcgttc ccctccgcac gagaattaat 60
taatgggccc ngnttaattg cntnnctccn ncaaaaggaa attattggng cnaattnncc 120
ggccacccca cagaccgggn nangataana ctgtgtaacc ngngcttgtg ncaaananct 180
anttttcaga anctccaggg aactcaattc ancaggaaaa ataattaatc ccaccaaaaa 240
gtgggcaaat gacatgaata gacatttctc aaaagaagat atgcaaatgg tcgagaaaca 300
tatgaaaaaa tgttccacca tccctattca ttagagaaaa tgcaaattaa aaaccacagt 360
gagattatca gcttattccg tctagaatgg ccattattag aaagtcaaaa tacaatagat 420
gtttgtgtgg atgtggtaat gcttatacac tactggtggg aatgtaaatt aatacaacct 480
ttatggaaaa cagtatggga gattccttaa agaactaaaa gtagatctac cattcaatcc 540
agcaatccca ctactgggta tctatccaaa ggaaaagaag tcattatatg aaaaaagaca 600
cgtgccacac cttatcttta ttgcaggacc catttcacaa ttttccaaag atattggaac 660
cccaccttaa atgccccatt tgacccaatg gaggtggaat ataaggacca accgntggtt 720
gtattntggt atnatacccc ncccattgtt natactacct tcagcccctt aaaaanggga 780
atggaagtta atgttggttt ttgcacct 808

<210> 2409
<211> 1425
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1425)
<223> n = A,T,C or G

<400> 2409
cnccgnaacn anaatggcga nagagctngt aanccnnnng canattcatc tgcggncgnn 60
cnccancgna anaangnnnc acanngangt gccaancnga annaannann nntngngaac 120

cntggnagaa ccccacanga actnnaaaag cggccnnccc agnncaancn gncnggngng 180
gggggagagc cgaannтnca nggtcanana gcagccgnta ncngggcccg agngcnatag 240
cagnccnagt gggancgata ttctannggg cccnnncnaa gctgggggcc antnacnnnt 300
tgcgnggnag ntnagcanag gcccgtgggc nagcncagnt ggtcnanncg gagcgnccna 360
ccnaagaatc ggngnagcaa acggnngcna ncgaggaacc aangggcngg cgnnaaannn 420
atntnaacaa gggtaatgaa aagaacaggg ntnanggang aaaannactn ngggnnnggn 480
agcnnggccc tgaccannga angaaagtgg ggcngnnnnc cgnnannngg ncgnaaagcn 540
cccnnanccc cntnctgnan nnnggacnng gctagccaan ntncncctct cacgngcgnn 600
nctgcnaatc gcatgcgnng ngngggtngc aacagcgaga ccnccatcac nccctatnnc 660
nncgcncanc tntacgatcg ctacatccac ggtntatagc nnnctngtng cgcancgnac 720
gnnggcncan ggngnnnact tgcnggntcn cgancngcng angggggnca anaagacgnc 780
tgnncncgcn cnctatacat cncacaacac acgcngaaan atngngagtg ancgggaaaa 840
acacacngtn tncncgnana cgggaanaca tncggactna cacacatcgc angactgang 900
gcgggancgc acannagngc angagacaga angtgcntnn cncncganna ggcncannnt 960
nangaanagn tgacagnacc acacnnnncn ctgtcacanc cnatcgcgca cactatagcn 1020
cacgcgacat acgaancnca taacgtgnac acatcnccac cgnagagatc acacnccaga 1080
ctctagagaa cgnctcgnng nancnctcaa caggagnagc ancnccgcgg gagaaganga 1140
gatncccnnc tncntccctg tnagcnngcg cnaantgtng ncacggnngn ganccgcnag 1200
ancncgancn nnacgcnnnn gngntncnan gncnngcnna gcnacttaac gtcgcccanc 1260
cgntatntgc acanacnacn nntntntaan ngcgacgncc ganncncang naagtcnngn 1320
anagcgctan gagcagcanc gacatgtngc cncgnaccgc ccnnntatan nacncncatc 1380
gcntcaacan ngagagaatg cgagctgcnn tctgtaanct cnccg 1425

<210> 2410
<211> 1125
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1125)
<223> n = A,T,C or G

<400> 2410
cancnncccc nnnnaannnn nnnnnngngc nnnnancgna nnnngnannc nnccccancc 60
nncnngccnn cnnccangna acngnnnnnc canncnacga ngnccnnccn nnccangang 120
ncnnnncgcn cannccncnc ncnnnncccgn caccgcgncn nacacnccnn ngacncannn 180
gngtntcacn aactcgccnn ncacnncagc acanncaccc ccacntcgcn ctccanaccc 240
gacgcaccac anctcngnna ggcanccnnt ttgtnntcgg gnaaccccct nncgcagcnn 300
ccngntngga cnngcccana ccncgcagaa cncacacaag cggcnacttc agcngcnncn 360
gangnangac nggggcacag annnnntgaa naagacaann anngatccnc ggtcangngg 420
cnagcnaggc cnagcccgac cacggagcat aagcgtnnan aanggcnagc actntcncag 480
ntnngaagcc ngcnagacct nggcnatata aaatagcacg nngacacggn caggagcaga 540
gggngtgcga gnagganang acnaggancg gcaccaccaa tcagaaaanc agaccagcac 600
ancntnaact gagcnnaggc tnatgnagcc aggcactata ctnngagngg agcntngaaa 660
gacacncana aaaagacang angccnanaa ggctaaggnc agcggctnat agcccgtaaa 720
cnncggcacn tnngagagac cangggngga gcancnaagn gccagggagt gccgagcacc 780
agncangngc naactanngg gggacaancc caaccatnna cananaagac naaccacnag 840
ccngaangng ggggggcncc acacncngca gcncaggcca antctgggan ggacnacagc 900
ggggnnaaan nnaccnggan ccccgggana gncanggccn gnngnagagc caatngatnc 960
gggccactgg ncccacancg nccggcggcg accncnncnn naanagacgn cnncaccana 1020
nanctncgcn ctnccanccc ggcgngcncc canatnncan gnnncaagan nccanacncc 1080
gcccaaagnc cacccncgcn ccgngnccnc gggcccnnnn ccccct 1125

<210> 2411
<211> 763
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(763)
<223> n = A,T,C or G

<400> 2411
anntcnnttt gttccanacc cgaattccgt tgctggtcgg tttcttaaca tttctagttg 60
tctgcaacca tccctgtctt acattacatt attaagttag ttctattaca agactaatga 120
atgacagaat agagcaaaca tggactttgg agtcagacag acatgagtca gataagagtt 180
caaacccact gactgccgta aacttgggca agagatttaa ccctgtcagg gcctcagtgt 240
actcattagt aaaggtaata ataagtctgt aggaaataat acctacatac ttacatttga 300
catatattta atgctccagc ttaataaggt tggagtattc gataactgat aaaaaacctt 360
gcacagtatt gagcaggtaa cagacattca gtaaatggca gtaccattcc gatgatactt 420
tanatgcttg tgtgctatac tgttcaagaa ccagctggaa aagacctcag gttacctcca 480
gggtagggat aacatttacc ttagagtttt tgttttttgn ttttttgaga tggagtctcg 540
ctctatcacc catgctggag tgtggtggca caatctcact gcaangtccg ctcccangtt 600
cactcccttn tcctgcctca gccctcccga gtagctgggg actaccnggc acccgccacc 660
annccccagc ntaatttttt gnatttctta agtagnagac cggngntttc attgnnnnta 720
ncccaggatg gtctcgatct cctgacctcg tnaatccgcc ccc 763

<210> 2412
<211> 754
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(754)
<223> n = A,T,C or G

<400> 2412
nnnnnnnttt acncgntcga ttccttgctg tcggccaagg gctccactcc agtcccttgc 60
ctgtcaatca gaagatgctc agaggagagc ttctgcatca tcttcatctt gacattccaa 120
gagcagtacc gggtcagcat ccacaaaagc acactgtaaa actgggaact gtgtcttacc 180
cttcctgagt gaaaagggaa agtttatgcc tcagcctgag gcaggtgggc cccttgccat 240
gcacaccttt gtcctgcagc cagggatcca cttggctggg ctcaaccctt ccccgtcagg 300
gacgactgca cagaaaggag cgcggatagc agcaaggccc gccacgggga aggcctgctt 360
ctgtgggtcc ccctgtgtgg ctggcaggga gtggtacggc gctgggagtc cagaatcact 420
gaggacacgg aaagcttcag cttctttgag aaaactcaga ttttgtaaat gcgcatccag 480
ttgacagcac ttacggtgga atccgtggag ttggacttgt gagaagcctt gccctgangg 540
ggttcttggc tggtgtctgt cctggangtg gatgccttga tggcttgtgt ctcccgtgct 600
cccctcaccc angtcctcat cctcaggact gtgagacgcc gtttggacct tggangagcc 660
tgangagctc ttggctctgt gggtatggtc tgctggcatt tgccantttg aaacctgaag 720
gattggaaaa tgtctgtata ccaanttcca aatn 754

<210> 2413
<211> 752
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(752)
<223> n = A,T,C or G

<400> 2413
nnnnnnttta ctcgntcgan tccgtgctgt cgccttgaat atgtaaaaat acctatcata 60
tcagtgtaat actatcttaa caatcctaaa aaccaggaaa gaaaagcaaa atacagccaa 120

atcaatgtca agaattcttg ggaaggctgg gtgcagtggc tcctgcctgt attctcagca 180
ttctgggatt acacttgagt ccaggagttt gagaccagcg tgggcaacat ggcaaaacct 240
catctctaca aaaggtacaa gaaattagca ggcatggcgg cgcgtgcctg tagttccagc 300
tatttgggag gctgagttgg gaggatcact tgagcccagg aggtgaaggc tgcagtgagt 360
caagattgca ccactgtact ccaccctagg cgacagagca agaacctgtc ttcaaaaaaa 420
aaggaattct tagaaatata caccagatat taccatacat atgaaactca tatatagagg 480
gttataaact tttgcagatc atttacctgc aacattgttg attttactcc atgaattctc 540
tattcacatt gcatcatagt acacacacct gcaacccaaa tataagtaat tcctagacag 600
ctttgataca tccccagaga ttttatgtnc aattcatcca gctaaaaaaa aaaaaaaaaa 660
aaattcctgg ggccgttttn tacgnaaatc ccnccntgat aagaancctt ggnnnnanttt 720
ggacaanccc nnnnntnnan nnnnnnnnnn nn 752

<210> 2414
<211> 1601
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1601)
<223> n = A,T,C or G

<400> 2414
cncnnnnnnn nnanancnan acacngcnac ancnngcgnn cngcncaana gangaacncn 60
cgcnnngcng gcccgnnnnn cnnnncngac agncgnncnn gannacggnc nnnnnnggnc 120
naccanancc nnncnccgac ccccccngag cnacnacnnc ncannaaaan ggcttggacc 180
ctntggaagc caagncgnag ggaggaaaaa ntggngcccn cggcncgagg ggacagcaga 240
gncgagnang gtgagacgng gancgaaggc ccagggangg gcaaggaagg ngagacggcc 300
nggtcagaan gaaannnang ngcgaggnag cantgnacnn gnccnggagn anggaagagg 360
gcccagccgn gaagnagccn cacangngcn acagcccctg ganatgcgtg ngnanaaaac 420
acgganannng gaccnnactn ggnaccnncg actggcnngg cacngccaaa nncgccacng 480
gcaggaacna ccacnggggc acanncaggc cngagcnnaa ggacatcnan acgnangnaa 540
nacccgnggg acgngnnaaa gtaagacann ggnnaaaaga caanccgggg agggaagagg 600
cggncgcang gnggngcana naagcaantt tcnaccgatn aaccgggggn gcacaannag 660
gnngggaacc ancggcngaa anngaaaacg atngnncnng gggnaagnan ggccnangca 720
acnggagaaa cnaccacggn catntgnanc nnangaaaac cncngggcaa nnnccangnn 780
ngggcaaacg nggggcacna cgggcngnac catgnannna ggcctcngnn ggggcgccaa 840
aanagaatcg gncnnnggga nacgcaaaga ccgctcgccn cagnggnngg aaanaacana 900
aaaggggcnc caccgggaca aaaaatcana cancnaaaag ggggagnnac antctcggag 960
acncgaacna nnacnancaa ngntcaggaa cntggggcca nnananggcn aaacgnanga 1020
cccacacggg gggganagnc acncntnagg gnntaaaaan gacannacaa nncggggana 1080
ggnnacncnc cgggccaann nntntcgggg gcccgaanga gncaaangcn ganntncaac 1140
acgcgaaagg ggngnngcgc ncnccnaaan agggggggaaa cnantcacan ngggnacaaa 1200
gcgcgnganc tcgnggcgcc nangggaaag gngcanngca gnggagtagn gcaacacgng 1260
caaaangaaa aagngccgng aaagggccgc ggnnaacaca gaatncacga naaaaggncn 1320
gaagcnnnna ncnnnggnna tncnaaanaa naangngnnc ncgcacnnca caggannggg 1380
ccnngcccgc gagagaaang nangccanca cagagngggg accttcnngn gggaaccnca 1440
ntggggngca accnnnnaca aancagacnn gngacngaan nncgncacng cnnaccnngg 1500
ngaaacccnt caanannggc caaaacnnan anccnanggg agggnnccnt ananngggcc 1560
ccaaaaaana anngccnnnc agaancnaan ccccggncgn n 1601

<210> 2415
<211> 746
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(746)
<223> n = A,T,C or G

<400> 2415
nnnnntttna actcgttcga ttccgtgctg tcggtgggat ggctcccccc atgaaagttg 60
tccagtgagc agggtcaagg tttaggtttg gggtacggac atgagtgcag gagccttact 120
ctcctgtgtg ttgtcaggga tggataaagg ggatgaagtt ggaggggttt agtgaatggt 180
tgggacagca aatttcagag aagagcattt ggaaataatt ttctcaaata tatatttta 240
aaatccatat ttgatttttt tccctcaggg attcccaagc atagtagagc taaaatgaat 300
taatttgggt aaaagtaaag ttaaggctaa gttaggaaac acttttaaaa acaggaacct 360
gctgcgtgcg gtggctcctg ccttgtagtc ccagcacttt gggaggcaga ggcgggtgga 420
tcgcctggga tcaggagttc gagaccagcc tggccaacat tgtgaaaccc catctctacc 480
aaaaatatga aaattagctg ggtgtggtgg cgcatgcctg tggtcccagc tactcgggag 540
gctgaggcag aagaatcgct tgaacccagt aggcagaggt tgcagtgagc caatattgcg 600
ccattgcact ccagcctggg caacagagca agatactgtc ttccaaaaaa aaaaannnnn 660
cnnnnnntnn nnnnncnnnn nnnnaaaaaa aaantnttnc nggggccttt tttcnnnnnn 720
cccccnnntt naaaaaccnt ttngnn 746

<210> 2416
<211> 743
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(743)
<223> n = A,T,C or G

<400> 2416
nttttactcg ttcgattccg tgctgtcggt gcagtggcac atacttgtag tccaagcttc 60
agaaaggctc aagtgggagg atcgcttaca cccaggagat tgaggctgca atgagctgtg 120
atagtgccac tgcactcagc ctgaatgaca gagggacacc ctgtctcaaa aaaaaagtca 180
gtttctcact tggactaact acttttaac tgttaatagc tggtggctgc catactggac 240
agcccaagac tagaggctca atgggctgtt ctccactctc tgtccaaggg aaccttcctt 300
tatgtgcttt ttgctttcaa gatggggtct tgcactccag ccggggcgac agagcaagac 360
tccatctcaa aaaaaaaaan taattaaata ggccggntgt ggnggcncaa cgtttatant 420
cccagcactt tgggaggcca aggtgggcgg atcacgaggt cagganactg agaccatcnt 480
ggccaatgtg aaaacccgtt tttactaaaa ttccaaanca anttacccag gcntggtggt 540
gcncncctaa agtcccagnt aatcaggagg ttgaggcagg aaaatcgntt ganccaagga 600
ggcaaaggct gntgcantga nccaanatca tgccantgaa ntcaaccctg ggtgacaaaa 660
tganactntg nntcaaaaaa aaggataanc ttaaaaaaaa aaannnaaaa aaaaaattnt 720
nggggccttt tttcccnaaa acc 743

<210> 2417
<211> 833
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(833)
<223> n = A,T,C or G

<400> 2417
tgctgtcgtc ttggagcttt catttactaa tgaggaacaa atgatagtca tgttatgaca 60
atgtgttata aattaacaat cctcttttaa actagattta taaaacctac acacttgagg 120
gtttccattt gttctatcta gatgtatttt gagaaatctg aaacaaaagc ttgntntttt 180
gnttgtntgt ttgttgtttg aaacagtctn gctctgtcac ccagcctgga gtgcagtggt 240

gcgatcttgg ctcactgtaa actcggcctc ccagattcaa gcgattctcc tgcctcagcc 300
tcctgataag ctgggattgc aggcgcgcat caccacgccc aacataatga aacctccgtc 360
ttctactaaa aatacanaaa aaattanctt gggcatggtg gcaggccgcc tgtaancccn 420
gctactcnng aggcagaggt tgcantgagc ccnanagtct gccattgcac tccagccctg 480
ggccgacagc gggagactcc cgtctcaaac aaanatnann ngactaannn antaaatttc 540
cccnggnnan tcntaaaacc ctncatnngn ntttntnncn ncnaantttt ntccncnctn 600
annntngntt naanccttnn ccnnttttтn acgaacnctg ctancncaan tatgnntccn 660
tctttcccna naaacaatnn tggccaattc ccccatgnnc ctattnccac ncccttntaa 720
atanctcccc tnnaaantng aactcnantt ccnnnnannnc ntttncnctc cgnnaanctn 780
ttcntttcta aaanaattnn cgngctctgn tcttnnccnn ccantcncan cct 833

<210> 2418
<211> 735
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(735)
<223> n = A,T,C or G

<400> 2418
nnnnnnttttt nctcgntcga ttccgtgctg tcgatttttc attatgtcta cggaggagtg 60
tctctgttat atcagtagga aatcaagggg gctttttcag agactgngtt ggttcctttc 120
aaatatttga aacactgaca gaaggagaca ttttagattt cctcaaagtt tacactgccc 180
agttttgggg ggaggcatgc ctagtttctt tgaaactggc tatgttttcc ttaatacctg 240
atttgccttt ctctgtaatc cttaaaataa aatttgttaa aagtgttctt cattatggaa 300
acaatatata tgtggtaaac agtatagaat ggcatacctc attcatactt ctccttccca 360
gaattaagca ctttattctt tttctgatgt gatagtttct ttctcttagc aatatatttt 420
cttctgtttc ttgctatcac tttatatatg taattctatt tcttgttatt acgctaatat 480
atataactac ctggcattat gaatttgact cacttaacga gaaatgttct aggtgtttac 540
atggtccaga attagtttgt gttagggatc caggactgtg agtactaaaa acttgatttg 600
tgtgtaggct acaaatgaaa aagttaacaa tgacttttta agagaaaaca aatgtagaaa 660
aaacaaaaac acagtctggc tcggcctccc aaagtgctgg ggttacaggt gtgagccatg 720
gtgcctggcc aaann 735

<210> 2419
<211> 769
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(769)
<223> n = A,T,C or G

<400> 2419
ncncnnnnnt tttgaacccc tttcgattcc ttgctgtcgc tcagggcaca gcaggcagtg 60
tgttagcctt ggtctccctt gccctccaag tcccacaggg caatactggc aggcccagga 120
aagtgttaca cactgcaggt ttgcatgacg gctaaggaac cacaatctta gggagatact 180
atctctgtct tctaaggcca tttgctgtac aaaaatcctt gaaatacctg ggcacagtgg 240
cacacctata atcctagcac tttgggaggc tgaggcaggc ggatcacctg aggttgggag 300
ttccagacca gcctgaccaa catggagaaa tcccgtctct actaaaaata caaaaattag 360
ccaagcgtgg tggcgcgagc ctgtaatcca gctactcggg aggctgaggc aggagaatcg 420
cttgaaccca ggaggcggag gttgtggtga gccaagatca cgccgttgca ctncagcctg 480
ggcaacaaga gtgaaactcc atctcaagaa aaaaaaaatc cttgaaatag tctggaacaa 540
aatctgtcaa catctcagcc cacaaaagta tcaacaaaat tgatatttng ctgcatttaa 600
aaaattttaa atggtggtca aagcgtncaa aattntgaca atttnagaca ccccccatga 660

gacacngaat ttatntnccc aataaaaatt ggtctnttaa aaaacctggn ttcccncaaa 720
tatnggaaag ggnnnaaaaa ntnnnaataa aaccntgtgg ngtcnaatt 769

<210> 2420
<211> 1145
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1145)
<223> n = A,T,C or G

<400> 2420
gctgtcgcac aactggncag tggcagggct agggatttga aagcagttct tttccatttt 60
ggttgttggt gactcaaagt cattctgaac tttcagaatt caggtggttg atggggtggg 120
gtgggggtgt cagtatgcgt agctcaggcc actagactgg tctgcgtgtc aggatggcct 180
tgtccgttgc tgnatgctta gcacatgggg acacgtggca gctgcttagt gaagagntgt 240
agggnggatg gatgagtgga tgggtagatg ggtggatgga taggtggata gnnnatcggc 300
ccccccttcn cttcngnccn aantcntntt tcactattct tctnncatgt ccctntcnan 360
nnctntntct tcctctcnac acnntttnan tntctcccnc ncntccatnc ctctctttnn 420
ttnccctncc ctctnancnn tacccttcaa tnccaccctc cttctanccn cttctccccn 480
ctcttcctcc tnatcntctc cttctatcnt ccatatcana cntcntnntc tatcctcnac 540
nnctcnncnn cctccnctcc ntcntcntac ccttatcccn acncatctct ctctctacta 600
cnctnttcct ctatctatnc ttacctcanc ntaccatatc tnatcacnnn ctatcnccnt 660
nntcttntct ctctnnaccc tcnntcagcc ttctctntan tctccnccat ctcntttcat 720
accctccaat cnncttntcc actcctcnct ctctcatncn ccntnnannc acctncatct 780
ctcanccatt atnnctnnta cctnctcnct acccctntct acantctnat cactcttcta 840
cnnncatcct cncctncctc nntctncact tctncnctct cncnctccnc tctctatnat 900
cnctctatcn tctctcnact ctnttatanc ngcatcctct tctctccctc tcnacaactc 960
atctcctntc ctctctctca cacactctct cntcnctnat ctnctcgnat atcncacctn 1020
cncactctan ncttcncnac taatctnntc aaaccnntct ccactnctac tatcactcnc 1080
tcatnaattt ntcnctctct cccacacatc atatccancc antctcnant cnctccatcc 1140
tctct 1145

<210> 2421
<211> 1500
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1500)
<223> n = A,T,C or G

<400> 2421
cnccgngcan nacanacnca cgcnnnnnan ncncgaggac acgnnacncn nnncacnanc 60
acngnnccnc nngcacnnan ccnnccnngc gnacnncnna ncnncnanca nanncgangn 120
canagcnncn nncangcncg ncncacannc cncacngaag canagagnan anaccacggc 180
cncnnnncan acccgcangn acccggagng cgngctnngg gaaccccttt tacgnaagac 240
ccctggnngg aagaggncgc gngcaggcta ccancgggca cgnaacgnag acncaaccga 300
catcngnacc gggggaggan cnngggncac gnncnnngcc nggnaagnag gangnccgnc 360
cccgaagcga cnccngccng gnngnacgga cnaccnnagc acntcangan ngngcacgnc 420
ncagngcgan gacaancgcn caccgncacn nncngccgac gggnggggaag acnccgaccn 480
ganagcgccn ccccagatgn ggaagcncga gcgncnngaa gcnancgcac cnggncgggc 540
cccccagggn cgcaggganc gnnccacann aancgcngcc caggngnagn ncccggcacn 600
ancncngnnn anacaggcnc nanggacagc nncncggaac aggganagng ggncacgnga 660
acancngnca acncggcgaa ncccncggcg ccagacnnca cnggggnccn ngcancaacc 720

tagcgnnnca cggaaacgcn cnccnnggaa naccacgncc acnnacgccg cnnaaantgc 780
gaccngnncg nacacgaang nacnggggca cnagcacnac tcngacagca nagngngcng 840
cnngccncnn nagcgntcgc gacacnanag ncngacgggn cnggnaaann nngggagagc 900
gaanaggcgg gcacgcnngn gaagcnggac tacggccncc gggacnnncc agngagngnc 960
nntcgacacg gggggggncc acacancacn cacncggnga accgccacac nnannccncc 1020
ncgngggcnn cgacanngca naccnggnan aaaccggggg gcccacccat ngnggcanan 1080
caccaanggg gccggncgcg ccggaaaccc cncngncggg cacgcncgca aacgncatan 1140
gacccnngnn cgcgccngga cgnngangga cancanggcn cggcaccanc nnanatnngn 1200
gggcacacgg cgcaaccccc acgnacggnc nnaaagnggc acanancngg ngnngcangc 1260
tncacacgnc ncancngnct cgaggggncg ngcacanngg gatcagaccg ncaccnngng 1320
ncgcnccncg ggngnntnnn cccnctcnct nganaacnng cnnnnanagg ggggcccaca 1380
cngacnaang gggcgacgcg cncnntacgg ggggcacana cnagncgncc agccgnncac 1440
cannaanacc acggggnnac gcganaaacn acagnnnccn nnnctcngng gnacaaacct 1500

<210> 2422
<211> 749
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(749)
<223> n = A,T,C or G

<400> 2422
nnnnnntttt tgaacatcat tcaatccntt gctgncggtt gtgggccagg aaanaaccag 60
cacanggtta aagtaactcc tggcattgcc caccaggggg ctggtgcacc tgctgacctc 120
agggtcacag ttgagtcatt tgccagttga cggagcaagt ttgaccttgg ttctgttgct 180
gaagcaaatt tggaactttt ctgtctcagt gtgatccact aacccacagg atcatttgga 240
accttgaata gctctgcttg gacaatgggg ttggggaata gggttgtctt tcctatgaaa 300
atgccatctg tagaccttgt gagtcanccg tccagatgtt tgcaggtgaa ttcctctgct 360
tgacatcctc cctgncactt tggaccctat gggagtgggc atntccacgc acctgtgtat 420
gtgaaagtca ttttacattt caaagcagtg tgtgtntctt atntctatat ttttaactct 480
ttattcttgg atgtataaag tgaacttttt ggcttctgta agtatgctct atgcacctct 540
aatgttttat catgtattta tatgttgtac acagtactgg ctgattctgt aaatggatgt 600
attgtacaga gaacatgaac gtctcttcct aattttacat cttcagcatc attgcattaa 660
agtggtgtaa atctccttct ctaaaaaaaa aaaaaaaaaa aattcntggg gccnttttct 720
nctnaaaccc aaactttann agaaccctn 749

<210> 2423
<211> 767
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(767)
<223> n = A,T,C or G

<400> 2423
nngtcttttt gaacccgntt cgaattccgt tgctgtcgga agggtgctgc tattgggtct 60
atggaagctt atctatcaaa ggagcaaaca tccagaaaag tgtttataaa gcaaatgtat 120
tgcctctgtt tagagatttg cccagctgtt ccagttttaa acattaaaaa ataaactcag 180
ttgccatggc aaaaatagaa tgcacagctt acttataatt ttccatgcag tatagcataa 240
ggatttttga cttgaaacaa ccaaagaact cctccttaac gagacagttc aaattcctga 300
attagtattt cttgactatc aacttaaaga atggacttcc tagtacaatg ttgcacttat 360
ttttctttct gaaataattc tgcctgcatg tatgtgttgt gttttagctt ctcccttac 420
cccaccccaa agatcttttc ttcctaatgg ttaatgtctc aactcggcta ctgnttacta 480

tcagatggtt tttcattagt gaatttaaga cctctttgag aaagcttgta tataaaaagt 540
taacagatat attttatgga aaaacccntc ttattttcaa atatatttaa ctgctgttat 600
attntattag agganggttg taaatatttt nctaggagtt ctattgtaaa agaaaaagta 660
ttttttgaaa aaaaaattaa tngtaataaa aaagggaaaa ccttttttaaa tagntgggtt 720
ggcgattgct tcctggttct gggctttcnt tatgtcctat ttttcnn 767

<210> 2424
<211> 747
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(747)
<223> n = A,T,C or G

<400> 2424
nnncnttttt gaacncgntt cgaattccgt tgctgtcggg accattaanc ctgcctgggt 60
ttgaatccta gcattgtcat ttacaggtaa tatcatcttg ggcaattcat ctataaattg 120
ggataataat accaaattgg aacaataatg ataggttagt tgtaatgatt aaatcaaata 180
atgagagtaa actcctggag tagtgactga cacatggcat gtaataaaca tttttctttc 240
tacgaggtat tgatatttat taacctctta aaagcaattt ggactccctt tgtctcttat 300
tgtcctgtga cagttaccat gagtgcattc tcccattttt gtttaccaga tctgccccag 360
gaacttttta aaagattgat ttctttcttt tgaaaataaa acaaatatgt gaaacatact 420
gaaaatgcta aaacctacat gagagtatta gaaagtaaag aatgtaattc tataatcagc 480
tacatatgga taggcagaga gaggggtctg cttcttgtcc agctgtagct ctgtgctagt 540
ggaagcatgt cctggagttc acgatgtggc caagagaaca gatgtagtta ggcaatggag 600
atgggacaga gagctgcaaa gtgctgcact tgccctctta ctggacccaa aaggctctca 660
agtgtaacac ctttctgtag tgctgtagat cattaatctg ggtgtgtgat gaccatctga 720
tctagcacat ccagtggcat tgtgcat 747

<210> 2425
<211> 750
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(750)
<223> n = A,T,C or G

<400> 2425
nnnnnnnttt ttgaaaccct ttcgaattcc gttgctgtcg ggaacatttt tcaagcnaga 60
aagtgnctgg cttggttcta tgaatatgca ggtcctgatn aagttgncgg gccngaagga 120
atggaaaaat tangtgaaga cattggtgtt gaacctgaaa ntattattat gttagnntta 180
gcgtggaaat tggaggctgc aagcatggga ttntttacca aggaagantg gttaaaggga 240
atgacttcat tacagtgtga ctgcacagaa aagttncaaa acannatttg actttntgcg 300
ctcacagttg aatgatatnt cgncatttaa gaatatctac agatatgcct ttgattttgc 360
aagggataaa gatccagaag ccttgatatn gatactgcta aatctatgtt agctcttctg 420
cttggganga catggccact gntttcagta ttttaccant acctggagca atcaaagtnt 480
cgtgttatga acaaagatca atggtcaatg tattagaatt cagcagaaca gtccatgctg 540
atcttagtaa ctatgatgaa natggtgctt ggcctgttct tnttgatgaa ttngttgant 600
gncaaaaanc ncncnggaca tnatagcann gaactatntg aagaaaatgc aaacctttca 660
atttcccacg tgtatncnag ctaatgtgat nanggggaaa anaaatccaa cggntgcant 720
ttcatccntc tgaaagactc ccntagtncc 750

<210> 2426
<211> 753

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(753)
<223> n = A,T,C or G

<400> 2426
nagnnntttt tgaacccgnt tcaattcctt gctgtcgaga tttggatttg acttgagggg 60
tataccactg gacttttcat cttcccttgg gattattgtg aaagattttg agacaattgg 120
acaaaataaa ttaattggca cggcgactgt agccctgaag gacctgactg gtgaccagag 180
cagatccctg ccgtacaagc tgatctccct gctaaatgaa aaagggcaag atactggggc 240
caccattgac ttggtgatcg gctatgatcc gccttctgct ccacatccaa atgacctgag 300
cgggcccagc gtgccaggca tgggaggaga tggggaagaa gatgaaggtg atgaagacag 360
gttggacaat gcagtcaggg gccctgggcc caaggggcca gttgggacgg tgtcggaagc 420
tcagcttgct cggaggctca ccaaagtaaa gaacagccgg cggatgctgt caaataagcc 480
acaggacttc cagatccgcg tccgantgat tgagggccga cagttaagtg gtaacaacat 540
aaggcctgtg gtcaaagttc acgtctgtgg ccagacacac cgaacaagaa tcaagagagg 600
aaacaacccc ttttttgat gagttgnttt tctacaatgt caacatgacc ccttctgaat 660
tgattggatg agatcattca gcatcncggg tttataattt ctcactcttc tgccggncan 720
gattgtcctg atnggggaat ttaagaattg atc 753

<210> 2427
<211> 1471
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1471)
<223> n = A,T,C or G

<400> 2427
nnannnnccc nnnangngnn cnnnnancnc cnnnnnnnnn nnnncccnnc ccnnnngnnn 60
nnnnncnanc nanggnngac ccnnnggnnn gnngnanngn nnccannanc nncnnngcng 120
acnannngcc nncaanncnn nngggngann nnnngnncnn cnngncnncc accngnancn 180
nncancncnn gccncancnn cccgagagnc ncnncnncen cncanncncn nnangcagnn 240
cncagccagc gncgagtccn nnnacncncg cgatcanngc nanancncgn ccnnggccnn 300
gcgncgcncc tannagngga gngccttttt ttgaaacccc ggntgcgnaa anagcctggc 360
ncgctngcan naanganntn cgcncncggg ccnncnggac ngcgcgnanc nngnnngnga 420
gggngnncan gccaagcaan gggacgnacg agggnagnnt aaggctggag aagnncagcn 480
cgacncccag canggcggta gcttagcagc gagcggagat cnnaccactg nggcccnccc 540
tagggaacag agcgagacgg ngtnaaaaaa gaaaacncgg ggcgngnagn cncnaggggc 600
cntgccggcn agacgnaggg ggaggtncnc nggcccggcg gcngncangg tganncanng 660
gggacacgng gccggaccgg ngccanaggg ggnnngccna ggagccnggg aannanancc 720
ncncgngcgg ngngaaagcn ccgnnancnc gaanacaggn cgcncantan nncccacggg 780
nngaananaa cnnaanaaga acgngggcnn gncanacggn naaacgangc tccggggggn 840
gaancaaang agntgcccca cggggnnnaa nnacgggcnc nnacanngnn ggcggnncag 900
ggggcatann cncaccgatn nanncttgga canaaanccg cnaangcccc acgnccggng 960
ggnngcaacn nagcnatagg aganctccng cgngggacgn tcncccnngg gggaaaaccg 1020
gacccgncgn gnnngnncan ccaaancacg nctgccaaga cganngggna tgcngcngcg 1080
ngggcgacac aaacagccgg ggnnnanana acnnncgnna nacacnccga annaccgcat 1140
anactcgana aacacggcgc ggcganaagg agaacggtcn ccacagaaan cggtatcnna 1200
nanancanng gatnngnnng ggccccaaga nacgaanagc acgngnngnn tngcgccann 1260
gcgacacncg ntnccnccgc tanacgnntn gancnccaca gatnncancc nngaangccg 1320
gggccnancc gggccagaga ngngctcnca cagagggggc ncgccnccan tgcacacant 1380
nccgnggaaa ctcnccncgc aanagngggg gggnggcgac cacaaaacac aatnctcgcc 1440

tcaagccggc ggcgcncatn nanaggctcc c 1471

<210> 2428
<211> 754
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(754)
<223> n = A,T,C or G

<400> 2428
gnnnnntttt tttaaanccc tttcgaancc ctgctgtcct natacggccc ntaaatngga 60
tatccatntc gagatntang aatccaaacc ctnntatncg gacnaaccat tagctccnga 120
atnangtgct aaangaggtt ctccaantag ntctnttata ttctatagcc tatatnntga 180
ntcttgcatc cccacgtgtg gcntaatnan natcctatac ntgnacagct nggagcntgn 240
nntagntcca anccnaatga tncgaggtat aanatactaa catcctttgn annnacacaa 300
aagcttgnac ctatntatat atntggctat gacngtntct ntanngcnct gattnanccn 360
tatcctattg nnnntgannt atnanncnnt nnatgttcnn ctaattctgg gnccnatgtt 420
gaactttggc ctaaggattn ccttacanag agntantnta nnnncanntt ntgncccgaa 480
gcntannagg tnaacttcta ttcttaatnc agnccagaga nnatgattng nactatgtac 540
ctnttnttna cggnnaactn nnagantatc ctctnngagc cntnattgcg atggctgtna 600
cttntttggn gtcttnagga acntgaantn aaagnntgtt cgcgnccttn ttttctnagg 660
aaaccentng ggttttcccc atgcctntaa nncccgcttn gttannntnn cccnnattcc 720
ctgcctaacn ntnngccntt cngcnatncc ccnc 754

<210> 2429
<211> 982
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(982)
<223> n = A,T,C or G

<400> 2429
cacnntnncn ccntnannen nnnnnncann ncncntncna ctntnnannn annectgtca 60
nnnntcctnn anaannttan cgcactcann tnccncnccn natanaccat nctaccntna 120
nnancatanc nnncanagcn ncnacnntan ccncaccnac nacaagncna ataatantct 180
atccnaaaga gcnccctttt gaaccccntn ncnaaacccc gctgncgacg ccttntgcag 240
agtgaaggac cccaactctg gactgcccaa atttgtcctc atcaactgga caggcgaggg 300
cgtgaacgat gtgcggaagg gagcctgcgc cagccaccgt cagcaccatg gccagcttct 360
gaaaaggggc ccatgtgacc atcaacgcac gggccgagga ggatgtggag cctganngca 420
tcatggngaa cgnggccaac gcttcaggtg ccaactacag cttacacaag gagagnggcc 480
gattccagga cgtgggaccc cangcctcca gtgggctctg ngcaccanaa gacccaatgc 540
cngtgtcnga gatnaanagg gttggtnaaa gacagcttct gggccaaagc agaanaagga 600
ggangagaac cgtccggntg gaangaaaag cgggctggcc cgaggaggcc agnggcagnn 660
tggagcagga gcgccgggag ngnngagctg cnncnangct gcacaccngg agcagcggta 720
ttangancag ggnggcnaan gccagcccna anagcaggac gtggnganca ncancncnga 780
angcggnttc nanggaaccc nnaanngatc nngaantctg ccgtgcaccc cganggnaga 840
antccnnaag cccaaangng nanggacang accnaccaac ctatcatctt ccaannectn 900
naanccggnt cnngcngaag gagccccttt cntgcnaaaa ncncnctcac ccaanccnta 960
nacaccaact nnggccnaga nn 982

<210> 2430
<211> 1705

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1705)
<223> n = A,T,C or G

<400> 2430
cnccacgcac nncnancang nncnacgann nnccnncncn ncnnnnnnnc nncngnncng 60
nannnngncn nngacngcaa ccncangccg nggcgcncng ncnannncca nngcgnccgn 120
cnncnnncga nncgagacnn gcnaagcgca ccnnncnnca agcgcgnncc aagngncccc 180
nttggaaacc cctttcngga anaccnaagn cgagcngaaa aanncgnngc agaagcnccc 240
ngggccgcan gctagcangc gggagaannc nnanacanga ggaggncngg angcancang 300
canacgnanc gagcgngnng ngnngngang cgaagcgcgg nccccacgac cgngtaccan 360
acnagnggac ggagacgcnn ggaggngtac nccgannncc nngcgcangg ccgcccnaga 420
angacgncng ccacacccnn acgacggcnn gcanccaacg canagagnnc tgngcnggtg 480
ccanncagnn cgaangngcc cnacngncng gacngaagna nnccanagnc ancancgccc 540
gncaagnccn ncgcangcga nacaccnncn gcancggnnn gcgcngnnng cngggcgcaa 600
gncgccnann naaggncgag gncnnagcng ggccgnngga cnctnganat tngcggaact 660
acgcgganac gnncnccgca gngagcacca cnagaacncc anccgggnga nggnncccna 720
nanannnggn nccanccgan cncgnnggcg anaggnaccg acgagnganc cacgggngga 780
ccccnngganc cnngggnncn cggagggngg nacaangaan ngccnngcga ctcncgcacg 840
tcncanacng aggactcngg cacggcgnnn gactcaanag gcgccnnaan ggnncaccgg 900
cggcgacnan aggccgcgng cncagcgcnc nngcncaaac gngngaacgg agacgangac 960
ncgcnactcn ngagnccncc gcngagcggc agggcnnggg anacgncnan agncacagac 1020
ggagcaannc aanggcgcgc gcgangaccc aaancnacga ngngcgcagn ggggaggcgc 1080
nacnnnnnca nncnaagccg cgcggncacg acagngcncg nagcgcgcgn nnnnaganca 1140
gncacgcnng cncagcgccg catcagcggc gcgcnaacac accgcggnna gnancgcgag 1200
tcgcggnacn ancccncnag nngnnngacc acagncnctc cgccccacgc nncncgnatg 1260
cnccgaanac ncacnnnngc nnccgngcag tcngcacgcg gcgananccn cgnctaacac 1320
acgcgcgnca cacngcgnnc cngnngcgcn ncgngacgnn gnnntacacn cncacgcatc 1380
ngacanngng ancgagcntg cnancgcgnn aacanacacg nnccggggca nccacnangn 1440
tcgagncgac nangagagac gngncgannn gngcncancn cgagctnnga ccncangcgn 1500
ncgaccgccg cacanncacg gcngngcnga ccgngcagan ncacgnncnn cgcagacagc 1560
cagccngcnc acngngcaca ganggacaca ngcgacacca nccgtnnanc acngnacacc 1620
gccacgtacg cngcnncnnn acgacnnggc gcgacagcnc gacgngcccg acgacacgcg 1680
cacgggccac cgcatcgctn cncct 1705

<210> 2431
<211> 754
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(754)
<223> n = A,T,C or G

<400> 2431
gnnnnnnttt tgaacnccgn ttcgattccg ttgctgtcgc ttttcctttt taaagaaggc 60
tgctaattgg attttggtag ttcttacctc aagaaaactt gaattatttg ggggaaagta 120
ggctcaaaag agaatatatc tttcacattc acattcagaa cccagcaacc tggagtccaa 180
ttttcagtat tttaactacc tcaataatgc tatgaatgta agatattggg atagagatcc 240
caacttgaaa caacagccag tgcctgtggt aacttaatgt cttgtcaaat acttttattg 300
attggtttat atgccattct tgttatagaa gaatatgcct tttaaaaaag cttattaata 360
acactttccc aatttatatt ttaaaaagct aaagaacact ggattaataa tcttttggga 420
gggtagaata aaataattga ttactattgc tgcatacccg gggtgggatg gggtggttgg 480

agaaccagaa ctatttttaa aacattaggt ttcaatataa atacaactca caactgctag 540
ctttgggggg tgggggaaca ttgtgtgggt tttgttttgt ttaatttatg gattagtctt 600
taaagtaggc tnttttttt ttttgnaaan tccggcccnt ttaaanggnc ncctgnaaaa 660
aatttaattt ntttnanggc ttttccnann ncccccttaa aaaaacccnc ttntaaggcc 720
caannntggaa acccaaagtn tttttggttt nccc 754

<210> 2432
<211> 762
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(762)
<223> n = A,T,C or G

<400> 2432
nctcnccctt ttgnaacctc gnttcgantc cgntgctgcc gnanatnanc agcccctatn 60
acnnacgtag ccacantcnc aaatnncaaa agggaatgtt ctaaaacttt ttcttcctta 120
aaaatggaga aaattgcact tgtgcttgct gngtggtata taaaccagga ttagtcccag 180
ggtcgtgagg ttcctggtga aaaggttaaa tcgtngaagc tagtatattn tntatatttt 240
tgnaacaatn gctttttttca tgggggaggc ggngttagta tttatagncc taacaagtcc 300
agtaattnnt tataaatctt cagattataa acagccccta aaaactttac aacgtttaca 360
cagtttttta aaaagagact gtntacactt gatttgcttt caaaataaat anngtcagct 420
agtctangag gttaacgtcn ggtaggaatg ctgatcatga taggtttggt tttctacaga 480
ttctgttccg gtgccntttc ctatccaggc accacctgan aaagntgtca tttgaggtcn 540
cacttggaag ttacatctgt gaagcccctg tcactcgtcc agatctgtgt tgtgtancat 600
gtgcttgagg aagcacgtgc tgggctgtgc cctcatacag tgcatnaccg gggcacccag 660
aaggctngcc tggctatctt ctgtctcngg tnnngtgtgg agtgntggng agggaacaga 720
tncnngatca aacctggggc tggttttccc gtctaggctc ct 762

<210> 2433
<211> 746
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(746)
<223> n = A,T,C or G

<400> 2433
nnnnnnnnnn tttttaaacn ccgattccaa attccgttgg ctgtcggtga aacgctgtct 60
ctactaaaaa tacaaaatta gccgggtgtg gtggtacacg cctgtaatcc taagtactcg 120
ggagactaag gcaggaaaat cgcttgaacc cagaaggcgg agtttgcagt gagcggagat 180
cacaccactg cactccaccc taggcaacag agcgagactg tctcaaaaaa aaaaaantta 240
ncntntattt tttagggcct ttcnanataa aanggggatt ttcttttcct gtntaaaaat 300
ntaanctnct ngttncatta gtaanatngt nttgngnggg ttagtatatg tgnncttgna 360
acagtntccc nggntccttt atccnctaaa tntcagtagg tncccnattn tgnacactgg 420
ttgngacanc caaaaaatgt ntccanacnt tggcaaatgt ntcctggggg aacaaaatng 480
ctccnttttg aaaatcactg cnttaaatnc tntgttnagg nttaaataag acncntaaaa 540
nttttaanct agcaggggac taanaatttg ngagtattgt ttgttgcatt ttcatattta 600
tcatgttgga aatttaaatt tnccctagcc ttatttggag agtttaactt ttttttttngg 660
ttngtttngt tttgaactnc atnttnaacc cactgttaaa tgttaagccc ttaaagggaa 720
tttaagggaa cattttgngn cccccn 746

<210> 2434
<211> 757

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(757)
<223> n = A,T,C or G

<400> 2434
nnnntnnttt tttcnaancc ccnnttncga attccgttgc tgtcgcttgt ttttccacac 60
agtggagctg taactgcact aagatggagc aaacagattt ccaaagatta agattcagta 120
aattatagtg agaattgaca agaagtttct gtttatccat tgaccagaga agggaaataa 180
ttcatcaagt ttagtttgaa ggtctcaggg atgttgaaat cagacttta catcttaatc 240
cagtgagaat gaaaaatgaa ctacttatag tgtctgccca tgacaagtca tttctttgct 300
tanggatgca aatcgtatca cacagtggtc tgaaatattc ctttcaaaga gataagctgt 360
ttgtttttca aaatggagct tccaggtgtg ctaattctga acacgaagct ttgttatttg 420
gagaanaata tccttttatg gtggtactag gttagttggc aaatatttac taatgcatac 480
tttgngctan gaactgttgt gttcatgagg acagagaaaa gacaacacag atgactcctt 540
gtctgtacat agctnccact ttagtgggag gagacaaatg atcaaagtgc ccccatgaga 600
agatacgata aagtgatgcn ttacagattg actaaattgg ttaangaana tctctcataa 660
gaggcccang cgccggcggc tcacacctgt aatcccagca ctttgggang ccnaggcaca 720
tggatcatgg angtcangag ttcaaagatc agcctgn 757

<210> 2435
<211> 798
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(798)
<223> n = A,T,C or G

<400> 2435
nngnnntttt ttccaacctc gattcgaatt ccgttgctgt cgaaatattg ttttaaaatg 60
catcagccta tgctatacaa tctgaatgtt attttaactt atagtttttt ttaatatata 120
tatttaacta taaggacagt ttagggaaca agttacctac cacatttcac tttagtgtac 180
ctatttacag aaagattaaa ctgccacctg cgggcacatt cccataaatg tgtactttac 240
tttaaaaaga acatgccacg attttgtctt tctgtggact caacattcac ttcgattaaa 300
aatagcaatt tgaccaagtt ggacttccac tacaaagcag ctgttttcca aagttcaatg 360
ctgacatata tgtatattaa aataattgcc tatttattaa tctacaaata gacaacgttg 420
gcatgttctt ttctgtttgt ctattaatgg gcctgcttct tagcaatatt agaatgtttt 480
ataaaagcaa ttcatgttac ttttctggtc ttttcatggc atatgagcaa ataataaact 540
atttacacta ctaaaaaaaa aaaanatcca aactaaannt annntannaa aaaanaaaat 600
ntntnnccng gnctttnttn tnnnncnnnc nccncnntnn nnnancnncc cccnnnnntn 660
ntntnnnnnc ccncccccnn cttctntnac nnnnnntnnn nncnncnnnn nnnnnnncnn 720
annnnnctnc cttnctcncn nncnnnnncn cnnntnnccn nnncnnnccn ncnnnncnnn 780
ntnnnnnncn nnnntnct 798

<210> 2436
<211> 852
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(852)
<223> n = A,T,C or G

<400> 2436
nngnctttct acangancga ttcgtgctgt cgncaaaggc tccactccag tnnctcgcct 60
gtnaatcacn aatatgctna ncaggagagg cttttgnant catcttcatc ttgacattnc 120
aagagcagna cngggtnagc atncacaaaa gnacactgta aaacngggaa ctgtgtncta 180
cccttcctga gtnaaaaggg aaagcttatg cctcagcctg aggcaggngg gccccttgcc 240
atgcacacct ttgtgctgca nccagggatc cacttggctg ggctcaaccc ttccccgtag 300
ggacgactgt acanaaagga gcncggatag nagcaaggcc cgncanggng aangcctgct 360
tnctgtgggt ccccctgcgt ggctggcagg gagtggtcng ngctnggagt ccnnaattac 420
ctgangacac ggaaagctnc ancttctntg anaaaactca nattttgtaa attgcgccat 480
ccanttgana gcacnttacn gnggnaatcc cgcggagatt nggacttgnt anganngcct 540
tngccctnan cggnggtnct tnnnncctgtc gnntggtccc tgtanntngg ntgcctttga 600
nnnnnttgtn tnttccccnt agnntctctc tttactncna ggnttcnttc anttctttca 660
cngtanatnc cgacanancn tcctcttntg gcactncntt anacggantc ccttnnacga 720
natncttatn nnnntctant gnctnngcna ttnnttcttc cttntcccnt ttttgccnnc 780
cnngananat cctnnaaaan ncntctngct ataaaccgtt cttnncntat cncanatatn 840
tnatanctnn ct 852

<210> 2437
<211> 750
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(750)
<223> n = A,T,C or G

<400> 2437
nnnnnnnttt ttcaacctcg tttcgaattc cgttgctgtc gcctgaacct gaaaatccca 60
ggtgggcgtc ggggactagt anggtgggga agccttggct ccagccttca gggcagtggg 120
tgcctttggg aaccaagttt aggcatggcc canaacacag tatccaagtc ggctgtgctg 180
acctttttcat tncacttcat ttcattatgt tcttctatgt ttattttcac agagtctcat 240
ccaagaaaaa caaatgttta ccttgctacc tttntcctct tccaaatana aatagcttta 300
ttgtgtcaca tgggggaaac gtagatntgc ttttagattt tcagattaac tatctgtcaa 360
atngaatcat gtcagtgaaa gaactggccc tgccgatgcc agggtctgga agtatttaag 420
aggtggcagc ccatcggcat ccttctagta tttctctntc attnctgaaa ttagaacnag 480
ggctgtgctg canaactcgc tgggccacat ctagcccttt ggtggtgaat cgttcctctn 540
gggccccgat tagccagtca acaggtcaca cagtctgctg aaatgtgttc caagttcttt 600
ctatagagaa tccttcccna gggaagccac tgtgantgan aattttgang ctcctntgcc 660
cagaagtttg gcatgttctg tggaaatncn caaattctta catanaangg aaatctaaat 720
cgcntcagat ggagcttgtg ttgcgagctc 750

<210> 2438
<211> 1233
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1233)
<223> n = A,T,C or G

<400> 2438
cnccnnnnnn cctnccannt cnnncncnnn ncnnncnnat cctcnatnnn tnnncncnan 60
cntcnntacn nanncacnan annnnnccgn acnannntnt cnnnntntac nncnnnncan 120
nactctcaca cctnnacncn cannccncnc atnccntnct canaacntnc aannctacnn 180
ntcnccgtcc ncacancaan catcccacat ncacncntct catatnannc tnagcngnan 240
ttttttaac cannccccga attccgntnc ncnctcngcg cagtnggcac atactggtcn 300

ngccaagctn cataaggnnc aagtgggagg atcgcgtcaa cacccaggga gatgtgaggc 360
tgcagatgag ctgtgatagn gccantgcnc tcancctgaa tgacagaggg acaccctgnn 420
nnaaaaaaaa agtcagcgga taactaggac aaactacntt ttaactgctn anagctggtg 480
gctgcgcata ntggacagac cnagagactn naggctcaag agggcgtgta tcgtccacct 540
ctaatgngcc aagggaacct tgccttaata ntgcnnanng nntgaaanat ggggnccnng 600
nannncngcc ggggccacag accaagactc catngcacta aacnnnnccc gangcnagcn 660
nnangacaaa gggnnttaan aaagantnna catcccaaaa ccattggcgg nagggccnng 720
nnncnnnccg agcngacaaa aggcttnaan gaccacgcgg ancactcnna tnngnngcan 780
ntggggntac aanaannncc gnccnannct angnttnaan aanngnactn nccacgcaac 840
tttttanaaa ngcncctcng acncnnaaac attngcnccc tnanaaangn cnnangcctt 900
nanatcaacg nncaagggca cnctntgcct nanagggngn aaatctntct caggnnnccn 960
ntcnnagggc ntannaacac tcgggcctcg gcaaacnnag naancccann acatcgnntt 1020
tngcccnggc gntncngcaa nacacacccc tngctngngg gncacgcaac aggggnnnaa 1080
accntctttg gctgcantaa nnnaagcang ccccnaagca ccctntctta ctcncnaaga 1140
tannggctcn anaaaagngn ccccncgctc cnnggnanan tccnnatcta tcntaccnca 1200
nntcgntnca aacnaagccn tnangnanan cct 1233

<210> 2439
<211> 784
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(784)
<223> n = A,T,C or G

<400> 2439
nnntcctttt tnaaccnctt tcgaattccg ttgctgtcgc tcaagcttca aacagcgcag 60
ataaatgcag gcaagtaaaa gatgccgccg ttgctgccgt caccgcctcc tgggtcgtcc 120
gccacgggtt gcactgccgt ggcagacagc tggacttgag cagagggaac gacctgactt 180
acttgcactg tgatcccccc tgctccgccc actgtgacct tgaaccccat gcactgngac 240
ctcccccctt ctcccccttc ccactgtgat tggcacatcg acaagggctg tcccaagtca 300
atggaaaggg aaagggtggg ggttagggga aggttggggg gacccancaa ggactcagag 360
agtcagacag tgccacttgg ccacttgggg taaagccagt gccagcactt aacagnntat 420
catgctcatt aatttgggat ttnaaaacac aaatgaaaac tcacacccac ccacccncaa 480
gtgcatgtct tcatcactta aaaaagtaag ttcatttgaa aatattcctt tctttttttc 540
tcccttccta ttntngtttg attatccaaa nnntctgatc tncncnaana aacntcnttn 600
gnntggggnt nttnagnggt ttaanatgaa ttttnnacnt nacacnaaag gcnnnntctn 660
gnnanntctt actttnnaan nngtcttctn gggcaaantc tccttnaaaa ctcttaaccn 720
ntnngntttt tgnnngagnn ttaacntnnt gccttcccta nctgncnccc ancctnaac 780
nnct 784

<210> 2440
<211> 783
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(783)
<223> n = A,T,C or G

<400> 2440
nncttnttgt tcnancccgt tcnantcctt gctgtcggca actcggagga gaagaccccg 60
gcccccaggc tagctgcgga gaaaaccaag aaggaggagt acatgaagaa gctgcacatg 120
caggagcgtg ctgtggagga ggtgaagctg gccatcaagc ccttctacca gaagagggag 180
gtgaccaagg aggagtacaa ggacatcctg cgcaaggccg tgcagaagat ctgccacagc 240

aagagtggag agatcaaccc cgtgaaggtg gccaacctgg tgaaggcgta cgtggacaag 300
tacaggcaca tgcgcaggca caagaaacca gaggccgggg aggagccgnc cacgcagggg 360
gccgagggct gaggccaggc aatcacgggc tatgcccggg gagctgtcgg gagtggcggg 420
aatcggggcc atgcccgggg agctgtcggg agtggcggga atcggggcca tgcccggtng 480
agctgttcgg gagtggcggn aaatgggggg catnaccatg cctgccgtcg ggttcctgcg 540
ctgacacctg gtcttgtgca cctgtgttgc ttacagttna aaactggaca cttttgtatt 600
gtatattata nagacacctg tttccatttc taatttatca aaaatgngat tatcctttaa 660
aaaannnncta ttnannaant ttcttnggng gccntttttt tncnnttata ntccccnnnn 720
cantttatta ctaaacncca tnnntncaat tttttggtcc aaaactcctc cnntctttag 780
nnn 783

<210> 2441
<211> 751
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(751)
<223> n = A,T,C or G

<400> 2441
ancnnnnntt ntttnaaccc cntttcgaat tccttgctgt cgccttcagc cccctgttca 60
cagcatgcat ttccccggat tgctcccatc cgagcagctg aatccctgca cagccaaccc 120
ccacagcacc tccagtgtcc cctctaccgg cctgactcga gcagctttgc agccagcctt 180
cgagagttgg agaagtgtgg ttggtattgg gggccaatga attgggaaga tgcagagatg 240
aagctgaaag ggaaaccaga tggttctttc ctggtacgag acagttctga tcctcgttac 300
atcctgagcc tcagtttccg atcacagggt atcacccacc acactagaat ggagcactac 360
agaggaacct tcagcctgtg gtgtcatccc aagtttgagg accgctgtca atctgttgta 420
gagtttatta agagagccat tatgcactcc aagaatggaa agtttctcta tttcttaaga 480
tccagggttc caggactgcc accaactcct gtccagctgc tctatccagt gtcccgattc 540
agcaatgtca aatccctcca gcacctttgc agattccgga tacgacagct cgtcaggata 600
gatcacatcc cagatctccc actgcctaaa acctcttgat ctcttatatc cgaaagttct 660
actactatga tcctcaggaa gaggtatacc tgtcttctaa aggaagcgca gcttcatttt 720
caaacagaan caagaggtgg aaccctccac c 751

<210> 2442
<211> 746
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(746)
<223> n = A,T,C or G

<400> 2442
nnagnntttt attcnanctc gtttcgaatt ccgtgctgtc gccgcgtccg ccgattcctc 60
ctccttggtc gccgcgtcct tggctggcgt cagaaaaatg gctacaaact tcctagcaca 120
tgagaagatc tggttcgaca agttcaaata tgacgacgca gaaaggagat tctacgagca 180
gatgaacggg cctgtggcag gtgcctcccg tcaggagaac ggngccagcg tgatcctccg 240
tgacattgcg agagccagag agaacatcca gaaatccctg gctggaagct caggccccgg 300
ggcctccagc ggnaccagcg gagaccacgg tgagctcgtc gtccggattg ccagtctgga 360
agtggagaac cagagtctgc gtggcgtggt acaggagctg cagcaggcca tctccaagct 420
ggaggcccgg ctgaacgtgc tggagaagag ctcgcctggc caccgggcca cggncccaca 480
gacccagcac gtatctncca tgcgccaagt ggagccccca gccaaagaag ccagccacac 540
cagcngagga tgacgaggat gatgacattg acctgttttg gcagtgacaa tgaggaggan 600
gacaaggagg cggccagctg cgggaggagc ggctacggca gttcgcggag aagaaggcca 660

agaagcctgc actggtgggc aagtcctcca tccttgctgg atgtcnaagc cttgggatga 720
tgagacggac atngntcaac ttggag 746

<210> 2443
<211> 732
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(732)
<223> n = A,T,C or G

<400> 2443
anctcggttc gaattccgtt gctggtgttt ttaaaatacc tggactcaat gacaaagacc 60
gagtcttctt ttttttaaa caaaaacaaa aaaagcaacc agggctattt gtacagttga 120
aggggtgaac agaatgggcg gctgtgctgg gagttggaag accgggcagc ccgctattta 180
gagccatccc tcagtcagct ggcagggaca agccaacgcc aggtagcatg tggccaccct 240
tgcccagtgt ctgtggcctg gcaagtggcc acgccctgtg tcagaccatc tgggaattaa 300
gctccagaca gacttacaga tgccttcctt aggagttctt gcttcttgcg ttgatacttt 360
gccccagaaa ggcctgggat tcattctggt tcttatcagg gtgtgtccac actctgctca 420
caggtggatc cacggctttc cagtgcggag agtcgagatg ctccctgcag cccangcccc 480
gggcacctnc tgcaaccatc tctgggctca gcacctgagg cgggtttcct gggtcccctn 540
tccagcaagc cttcaccagc aagctcggcc canancttcc cttccggctg gctctgaacc 600
gtgcnttggt gcctacagcc tgcatcttgg agacaagctt tttccggant gcttttggga 660
gccaggccag ggtgttaagg gaggtgcaaa ggcattccgg gccgggagca acccccaggt 720
ttgaacaggt gc 732

<210> 2444
<211> 859
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(859)
<223> n = A,T,C or G

<400> 2444
anttgancca ttncgntgct gtcgganacc tcacgcccta nggatgtagc cccgctcgca 60
gtgcacacgc agtccgcacg ccgncgacct ctgagcgggt cagacgccct tgtgcttttt 120
gtttctaggg acagagtccc caagtgggtg cacgtgttaa tnggaaaggt gntcctggag 180
ctggagcgct tcctgcccca gcccttcacc ggcgagatcc gcggcatgtg tgacttcatg 240
aacntcagcc tggcggactg ccttctggtc aacctggcct acgagtcctc cgtgttctgc 300
accagtattg tggctcaaga ctccagangc cacatttacc atggtcggaa tttggattat 360
ccttttggga atgtcttacg caagctgaca gtggatgtgc aattcttaan gaaatgggca 420
gattgcattc acaggaacta ctttttattg nctattgtag gattatggac tgggccagag 480
cccacacaag tttacaagtt tcttggtgat gaaacgagat aaaggcttgt tggtgggaga 540
atgctntcgc ttgcccctgt ttcggagaca ccatttcccg tcnagcttgc tgatcccgng 600
cttacccttg anntgaagtc ngnaaacctt ccgaaaccan cntgttnggc angtttgggc 660
ccaangaact tcccccttta tttgnctgga angttaaatt taccnattng tttggntngg 720
gcncngttcc ccccccggna aaggggggnt tngggtcatt cnaccgaggg aaaccngaan 780
tattgnggcc cnaacccana ccanttttg ggcccntttt aaaaannccc tttttgnaat 840
nnggnaaccg tngggnntt 859

<210> 2445
<211> 796
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(796)
<223> n = A,T,C or G

<400> 2445
ttnnaacttg aatcngcaca atttgaatcc caacctcaga attctaagtc ccatatatta 60
gtttttggta acaatcatca gtaaaggaga atattttaaa aacctataaa ggagtccttg 120
acaatactat ctaaatcttt ttatacattg ataattttat aatataccct gtatatatta 180
ggtaaatgcc tgtaggtctc caaagaccta gaattgagaa tcagagggta aacatccaaa 240
caaatcccct agatgtggga aaataaggaa gttatcttat ttcgtcgtca tttatattga 300
ggtgaatcat gatgganctg gtatgagatt tcctcaggag gtttcttgaa gcttatcatg 360
tttacagacc ataacatact ctttgctgat tcatatagca atgaatgata aaatcagagg 420
cacttggttt gggcacttaa aggaatgttt tcatctcttc tcccagttga ngccatgact 480
tgaagaaagg ttaaaangnt ttgagtatca agtagcatcc tacaaaagga tctaaaacta 540
gattttctag tttggctcac ttaanatgat aaaatgagat aattggagac tatcngttgt 600
aaaatctgaa gttnggaaat nacaccgtag ccttgaanaa aatggtcagn gattcaccaa 660
gaaaaantan gnaaacaacc atttacttca agtttttgcc ttcaaaaaaa gttaaaangg 720
atttttaaa ttggaanaaa aanctccctn aaattttgnt ccttntaagn cctatggcnc 780
ttttgaaaaa ggaanc 796

<210> 2446
<211> 780
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(780)
<223> n = A,T,C or G

<400> 2446
ttntactcgn tcaattcctt gctgtcggan aagttgagtg gttgggacag tggtcccntt 60
cgngntggnn agancactgn cttagatnat gtgnggntct tctctggtca gaggcccaaa 120
tgagtggaca agtactgtga tttctcaagc ccctatgcag tgttagatgc cactatgaaa 180
tacgagccat tgaaagagat ctcttcaact tattattttt tatcacgaac gtacatatca 240
gttatttatg agatttttt ttttaaatat ttcatttttt ttcacgactt tttctgccat 300
tgaattagcc tttttctcat gcactggtgg tcaagaaata catgccataa taagatggca 360
gttaaacttc atcagtattt tttttttta aataagattt tttanccngg cncaggggtt 420
cgcncctgta atttgaacct tttgggaagg ccaaggcagg aggatcacnt tgaggccngg 480
agttcaagac cagcctaggc aacttattgn gaccttgtnt ttcagaaant ganttccttg 540
gccatggggg catntncctg naggaanctg aagtgagagg atccttgagc ccaggagttc 600
aagaccagcc tgggcaacnt agtgagaccn tgtcttttac agaaaaattt aaaaanttaa 660
ctggggcnct tggggccccg tgccttttta ggaagncttn aaattgggggg aagggatccc 720
nttggaaccc caggggagtt ttgaaaccttt ccantggggc ccaaaattcn ccncttcnnt 780

<210> 2447
<211> 806
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(806)
<223> n = A,T,C or G

<400> 2447
tcgntcaatt ccgtgctgtc gcttgttttt cagacctcga actatggaga acaggaattg 60
aagcccaggt gggtgtccaa tgccagacca tggatcatca gcctgggaca ccaaagtgcc 120
acactctcag agtgaggatg atcctcagga agtcagctct accaccctcc acaccaggaa 180
gtgcaagcag actcacctca tgattgagca gaataagaga atccttgaga agtcataagt 240
ttgcatggat ttgcagcaca agttcaaaca actagatggc accaaatccc tcaatttatg 300
aagacattta acgtggtacc caattggaaa cgcctcatgg cagaaacaaa cataaatcct 360
ttctagaagg ttgccttgtc caagtgtttc ccaaaccagt ntttttaggg aaaatgcnca 420
gctnactata acngaatntt aacctaaact tggaaatang gaaccagcan anacaggtct 480
gcanatattt cggatatngg aagnatcana cacagatttt aaaacaactn tncttaagat 540
gcttanngaa tnaaaaggcn acntttaaaa nttatttncc ccntngaaaa ttttttaaaa 600
acaatccanc atgtttggaa aagagaagcc caantggaaa ttttcctaaa ncannaccaa 660
accnaancca aatggaantc aaattggaaa ttttaccacc ancancaann ccccnnaaca 720
cattggggaa aaattaaaat tgccnttttg aaagaagagn aatttaagtn gnaaccttgn 780
aaangattta ngggaanaag naaaaa 806

<210> 2448
<211> 842
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(842)
<223> n = A,T,C or G

<400> 2448
tacttcgntc gattccgttg ctgtcgcttg tttttcagac ctcgaactat gggagaacna 60
ggaatttnga agcccaggtg gggggtccan tgccngncct tggntcntna ncctgggccn 120
ccaaagggcc acnntttcag agggnggntg ntcntcagga agtcagctnt nccnccntcc 180
ncnccaggaa gngcangcng actcncctca tgatnganca gaataagaga ntccttgaga 240
agtcntaagt ttgcntggnt ttgcagcaca agttcaaaca actagatggc accaaatcct 300
cantttatga agacatttaa cgtgggtacc catttggaaa cgcctcatgg cagaaaccaa 360
ccataaatcc tttctagaag gttggccttg tnccaagtgt tttcccaaac caagtttttt 420
tttangggna aaatgcccca gctttaccta ttaaaaaaaa attttaaccc taaaccttgg 480
gaaaataaag gaacccaggc aggaaaacan ggtcttgcaa aatantttca agaatatttg 540
gnaagtatca agacaccagg anttttaaa acaacctatt ctttaagnat gcttaaagga 600
aagtaaaagg caagctttta aaatttatag gaccatagga aaantattta aaacaattcc 660
agcatgtttg aaaggaagag cccaatagga atttnctaaa ccaaccaacc aaccaatgga 720
atcaattgaa atttacacca acacacaccc cacaatggga gattagatgc cttttgagag 780
agaattagtg actgaaagat aagagagaag aagtccccga acttacctat tgcaaaaaaa 840
aa 842

<210> 2449
<211> 813
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(813)
<223> n = A,T,C or G

<400> 2449
nccnttcgan tccgtgctgt cgctgattat ccgaatgagt aagtagattt ctcactttgt 60
ggatggtccg ttacctggga tctcctatcc tcctggggct gaactaggag agtggaacca 120
gagtcataat gaggcatctg atgaggggag gggtagggag agagagaaag agacgtagag 180
aggaggagag agagaaggat atctcagatc tcattttaag gctaatttga gaggagacac 240

gtagagtact tgagaacctg ggtcctggca ccagacaacc tggattcaga tcctggctgt 300
gccatttcct ggttgtatga tgttgggcat gtaacttgac ttctctgcct cagtttcctc 360
atctgtaaaa taggataata gttttacctc atagggttgc tatgaaatga agtaagtaat 420
gtatatatag agtgattaga agtaaaaatt cgaggctggg cggggtgact caacacctat 480
aatcccagca ctttgggagg gcaaggcaag aggattaatt gagcccagga atttgcgacc 540
agccttgggc aacatggtga aaccccatct ntacaaaaat ncaaaaatta nccggggttg 600
ttggtggcca cattgcctgt aatcccagct tcttcaggaa ggcttnaagg tccgggggaa 660
ggaatggctt tgagccccaa ggaanggtng gaaggttcca antggggtcc caagaatcca 720
nccctttgggg tggaacanna aaccnaaggn ctnntggttc ccccccccatt tccccccccna 780
aanaaagggg agnttaaaaa aatttgggan cct 813

<210> 2450
<211> 765
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(765)
<223> n = A,T,C or G

<400> 2450
tnnacatcgn ttcgaattcc gtgctgtcgc cagaataagc ctatcaaaca taggtcaaat 60
ggttaaataa agaatgaaag cgtaaaagcc atagaagaat ttttctgttg tcttggagta 120
gagagacctt cctaagtttg acacaaatcc cagaagctat aacataaaag actgatacat 180
ttgacaacat caaaatgaga tccacttcat aagagtaaca ctgtanacaa agtcnanaga 240
tacatgataa tctgagaaaa ataatttgga aaaaatatga taaaaggagt taatttttctt 300
aatatacaaa gagcccttaa aaataaataa aaagggtcat taattgaaaa atgggcaaaa 360
ggacatggat agaaattcac agaaaagaag tgtaagtggt tcttaaatat atgaaaagac 420
ccacaaccct cttataataa aaagtacaaa tcagagctgc aataagaagg catttgtaac 480
ctatcagatt ggaagagatc aaaatattta ataatacact gatttggtga cagtgtaaag 540
aaaaattact ttcatacatt gctggtgaga gtaaatggat acgattgctt tggaaggcaa 600
tttgtgatat ttatctaaat tatgaatgcc catctcttag aacccagcag ttccactaat 660
agggtatccg gcctagagna accctcccat ggtccaatgt catttggcca ttattggaat 720
ccatgggaaa aattgaagga ccaccaatng taaatntccc tccgc 765

<210> 2451
<211> 834
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(834)
<223> n = A,T,C or G

<400> 2451
cgntcgaatt ccgttgctgt cgggttttta agaagtcgtt aaacttaata tttactagaa 60
tatttgtttt tggatggcat ctaatatatt aatagcccag aaaaaaggcg ccactaatga 120
atatgtcttg gattacatag tgacatatat tagcttttcg tccacatttg ataacattgc 180
taatattttc tttttttta ctgaagctct ttgaatttaa agttttctct catttaaatt 240
tattaattaa aaacatacct ttactctgtt ccctttagca tttcaacctg atgttaaaag 300
atgtgtatgt gtgatatgtg tgtttgaaat tttaactttc atcttggagt atttaattct 360
ctgaagcagt gcatgactct tgctcttcag cctcttgaga gtgtcccctg gtttatattc 420
ctgatgatac aaaccctgga atttctngct gaagtgttaa cactttattt ccaggnccta 480
atttgatttg aatagtggaa gttcagattc aatgccatta atgacagatt ctatgttgac 540
ttnttcagat ttgccagacc ngaaaaacct cctttatgtg aaggaaaatc anttangcct 600
tttttgncta atcctcctnt ggtattaaat ggagnacctc ntttttcttc atttaagnat 660

tgaaggttna aaaaaggaat cccagnaagg aatggatcca ncccaggttn ttccccccca 720
agaaantttc ctcatnntta atttnannaa tntnggnaaa aanggnaana cccnaaantc 780
ccttgggggn atttcccntt ttccccttaa aaaaannggg gttcgnattt ncct 834

<210> 2452
<211> 745
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(745)
<223> n = A,T,C or G

<400> 2452
cgtaaaagna aaaatctcaa gaaaacagaa atggcatgct ttacccatct tacttagtga 60
aagagagctg cagttgaaat tgtttaaaaa gtagcaggta caatgaatat tgtcacagat 120
gtgttaattt ttgaagcaat gtgggtgctg actactagta gtatcaaaaa tatgttcagg 180
attgttttga tacctgtatt tataataaaa aatgttgggg ggagttgatg aattcctgtt 240
aaaagctgtt cttgtgtgtt acatgtaaca gacatggtaa atatttgttt acagtctttg 300
tttaacaaac catgcattta agtttaagtg aagtcaacaa aaaggaaata ggtgtatgga 360
tatgtgattt tgagattaaa gntagtctta aaatgtaaat aaaatgtgaa acgtgtcctc 420
agagactgtg ccatttctat tatgttgatg tatatgtaca gtaccttgcc agggaagcaa 480
aaattggaat tattgtagct tttcatgtat acacactttt atttacccta ttttgtgtac 540
ttcttgtgaa ttataatttg cagactattt cagaaaagaa attatctagt ttaatttctt 600
ctttggacaa ggagtcctag gtattatatt ttgagtttga tttcaccaga aataatanta 660
ttaaaaagat ctttgcattc tgggcagtcc ttttaggatt ataggttgca aattatccaa 720
atatatatcc catttttaaa gcata 745

<210> 2453
<211> 921
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(921)
<223> n = A,T,C or G

<400> 2453
ttnncntnnn annccgtgnn ngccgaatgc ctgcaggtcg actctaaagg atcccctgga 60
gccgacgcct atnnncccna cggtgnnnng tannacaggc ngtggccgtc cattgcagcn 120
tcttaantgg gcctcnnntn ggnggatttn aaaaaaaaat tccccacttg ccctttcgc 180
ctggccnttt cnttgatngg tgggnggnta aaggttggtn naannngantt tgaaggnccg 240
gntttaggga cctctgccat tgggnttnct gnttgangng accagnagtn ncccnggttc 300
nccntttngn ccttctttac aaggtccnna aagncttgnc aaaccggaat ccnttgcctt 360
tcctnnnntg gaangtnttn tattacctag ggcctgcnct tgagtaatnt tatttttgcc 420
nnanccgctg gcntttaaaa taggggatcc ntctcaattt ttttccctng ggtatttgng 480
ggaaataaaa aaaanctttt cnaagcctan aangganagg ttggcaccan ggaccncaat 540
gtggcctgga attttggcag aangattcaa gnatgcctgg cgccgggaaa atcttgcata 600
naatttttta ggttnancct aaacccttgg aggganaagc cnttggaccc aattaattng 660
gcaaccaatt ncccntttt tttcttttgt gtttgggaaa ttaaaaccng gggggggaagg 720
ccnttttngg ggaaaaangg gccttttaaa ttggaatngg gnaaaanggg gttagancaa 780
attcttttc cnccttangg ggggnggaaa aaggnaangg caancccccc tnnnanggga 840
aattgggttt tgcccttggg ggtaaccccc ttncccaaaa ataangtttt ttttttaaa 900
aaaaaggttt tnaaattggg a 921

<210> 2454

<211> 789
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(789)
<223> n = A,T,C or G

<400> 2454
nnncttagac ctntcgattc cgtgctgtcg nnngtgtgna anctacntgt ggnacccntn 60
ncnaangtgt cccaacattt ttttgacctn nnancncaca aacccggnct gntcattntt 120
caagtgtaaa ggccatggnt tggtgctcnc aagcatgaaa gcccttgggg aanatggtgt 180
ccaactttgg gtggggcccg tgggaggctg aacaaancct anccattggg gagctgggtg 240
aagtcagaac aggaggactg ggtaggaagg agagacctnt ttcccttata gaatgactaa 300
ncactgtggg aaatatgggt ttcaaaacca antcttgaaa atttataaac accagtgtaa 360
ncctatggag aaggttggtg ggactcaaat tcctggngac ataggtactt tcnccacctc 420
atcttcctta atggaangga aattcttnac cngatgataa aataaaaaaa tattgggccn 480
ggtaggtaaa aaaagaaaag anggttcatg cattatgtaa aaattaccaa aaaggcttat 540
cattgaaagt aaaaaataat gttttaaatc caaccacttc ttcccatcac tcccttatnc 600
tggagcaccc cctgtccctt ncaaacatct ttgacttttt ttttttgng acanaaatnt 660
tanctctncc ccaaggctng gaattncact ggggggagan tttnaananc tactggaaac 720
ccnccncctc ccngggttca agccgaattt tccntnccnn aaccntcccn nntagctngg 780
gacnnancn 789

<210> 2455
<211> 1209
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1209)
<223> n = A,T,C or G

<400> 2455
ccccccacga nccgaannan gnnannnacn nngaggggng nggnannngg ggnnggnncg 60
nnngnnggac gnnncnnnnn nnnnnnnnnn nnnnnantgt cgtngnacct ttngggaaac 120
ccccnnnnnn nnggcngncn nggnnacncg nctgggggggg nggcggangc gnggggnttt 180
ggcccctttt ttttctgaga nggcnncgag cggnnnccgg gnggggggan ngnnnggggng 240
cnggacnngc ncntntnnng gcnncnncgn nagaggnnnn gggnnggggc cnacanagag 300
nnngancggn ngcngggngc ncangnaggg gnggggagnn ggagnncgtg gatggtggtg 360
ncngcgngng agcgggnncg gncnngcnan gatntgcgnt gaccgccnta gnangngggn 420
ngnnnnctaa acagcgtngt angtaanata ggngggggggg gcagnaatac ncggaggaag 480
gngnagggng aggcngganc gggggngngg cggcagaacc tcggncggnc ngnnnncgna 540
gnnagcnggn cctcgagtgt nagggnnang ggggcggggn anaggggcca ncaagggggc 600
annnggaagn cgnncanggg nngnnctngg cggnngaacc cgnggggggcg gtggngggaa 660
naannaaatg nggngaagcc cgagggnggt gnntaannga acnggggggnn gggggggacga 720
nnacgggggg ggangggggcn catagggagc acggtacagg gagnancngn tcaagnnnag 780
ngnngtngng cgccgggagn agcgaggngg gaggcncgng ggcggnggan agagccncng 840
gaccgaagac cgggggaagg ggcannaagg gnggngnang ganataggcc nancgancca 900
cnggggaccc cagngggnag annacagagg tagnacgnta ngggggngca acggagcanc 960
tnaggagccc cnaggncggc gcagggtgtc angggaggnc ncaacgtnag agcgngggna 1020
cgnnggggng gnncgnncan ngtgnnnaac ggnnggnnag gaggacgggg gggncggtnn 1080
nangngncna cagaggcagg gngngaagca cnnngtacat nacggatgan ngatgggncn 1140
gaggggnngg ngnngggacn nccgntgnng gganacgaag gctcggaggc ncnncnacac 1200
cgggggccg 1209

<210> 2456
<211> 784
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(784)
<223> n = A,T,C or G

<400> 2456
nntcccttnga ccttnngaag ncgcatggtt aggaagaact gttccacnta cacntgacnt 60
tggagtcagt taatngatnt ntttggagat nggcctttca acagttttca tatttgaaga 120
attanaaatg aagtccgttc anattntcca aagaacctcc agccactggn gggggacatt 180
nttaattnan attcctatca nttggtntnt cctgtccctg aaaacactga tgaggnttgg 240
gagganaatc ccacctttcc ctgcaggggg ttaggctggg cagggcaggg aggtgagggc 300
gnctggtcca aaacactggc aagggatggg aacctaactt cttnttgtgc ttctgatttg 360
cccttgcagg tgtttttcca ggtctgacca cctggccctt gccatgaaga ggcacctctg 420
agggacagaa aaggtggatc ctgtangcta aaaggctttc aggctganag ccgcccgtgg 480
aangagggat gcgtgttcca gccaaagcat gccgttcttg cacccttacc caagttgcct 540
tccagggcct ctccttggaa ngtctttttg angggctaaa aaaggtcttg ttagaanccg 600
gcnatancac cccgtggtgc atgggtattg tgggtgaccc tggactcgcc actggntacc 660
ccgcccnttc ngaagcggng ccctaaccct tttgncgtgg agccttccnc acttgagaaa 720
tgcttaatgg gttggggttn gaattggtat tgttgaagga atcttattac ttgacccgaa 780
tgat 784

<210> 2457
<211> 1538
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1538)
<223> n = A,T,C or G

<400> 2457
ccccggcggg anngnangng cgnngnnann gngnaannnn gnaggnnngn annnngnnag 60
aggagnnnga nngcgnngcg nnggnngnnn ganngagggn ggaagaggnn gaannannan 120
ngnnnnnnnn nnnntgtgnn taaacccttg ggaaancccn nnnnnnnnna ananagagcc 180
cggagngcgn gannnagannn nggggganggg gggannnnac nnantttttt tnnnngcann 240
gcnnggaggg gganangngg aggantcgng gaggggnngg gngcagatgn tntgnagngg 300
gganagagga ggnnagnnga ggggaggang cngggagnaa tgaggnnggg nangnggngg 360
ncnngcccag gannnggggn ggggggganac gnnggngann nacgnnggan ganggggcag 420
gaannggang acgngacggc nnacggacgn ngaagggggg gnccncgaag cacgngnggg 480
agcgncngag angngtgcgn agnggancgn ngaagagang ggacngaggn ggngaagnga 540
gggggnngnn nnnagngngg ganaggacan ngacnnaggg agggnggatn atnacgnnnn 600
agcgcanaga cgaagngana cgcgngggna naggangcnc ngngaggggg ngnggnaaan 660
gngacgnana cgggacgggn nccgnagngn gngaganngn aggnnggagg aaagggannn 720
ggcgggggag gggaaggggg gggnganggg gnanggnaan gggggagggg ggggngannng 780
gganggggnaa nggnangaaa gnagcnaggg gagggnaana angggancaa gggcnnaggn 840
aangganggn gaannngntng gnacgngnga ancaagagcn annnggaggg acaagccacg 900
ggaagaggaa nggncgggaa gngnggggcg nanggnaagn gtnngcgann nnancngagg 960
caggggtcgc gnnggngngn gngacggggt nngaagnaga cggnnganac gnggggnacgn 1020
tganggnaan ggtacgggng ancggaggcg agngnagggg angcnaggga ngggngacgn 1080
nangagancg ctcgatcgnt gaanggcngg gaagagnggg gcgggtnagg ganggngang 1140
cnacgcangg ggaacggnan nggnngngat agnanagggn acgcgangnn ggggcgcana 1200
cggnacncgn angcggacgn gganggaagg ggggagggan gngnncgngc gggtnagccg 1260

cnngngcgna ngnnggggng nggaagcggg angcgatngg gatgggcacg tacgggaagg 1320
ggggaganac gngaangnan ggnggagggn gcgggangga nggggacgng aagngaagcg 1380
acggcnggga nagncntggn cgcgaagngc gggaagnngc ggatccnnga angncacggn 1440
cnnngcnnag cncgnagnac gannaaggcn gtgtgtangn ncacacggnn gncncggncc 1500
acgggaccgc naaggnaccg agggacgcga ntgnnccg 1538

<210> 2458
<211> 786
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(786)
<223> n = A,T,C or G

<400> 2458
cantttannc cctttcgaag ccnttgctga ngancctccn actcatatca ttgtccctat 60
ataactgagn gtcancagag ntntnaggtt nggccttngg gatnaccttc attttccagg 120
gtctggccct ntgcncttca nccanagnnc aacctnntgt tancagctgc tactaagtct 180
ntatgcccat tcgttnatnc cacaaaacag gcntctgact cctctggnca ccatggaaca 240
aggcactngn aanaggcngg gggtccacag gcncaggggg cttcactctg gaacaggata 300
nctggggtgc agcgggatgt antcctcact taatcaaccc acaccccanc ntcccctgag 360
ctttctctaa atctcattct accccatctt gactcttcgg ttaaaaggga gttctcattt 420
ggagaatttg tctctgggat taatgaagtg tatgcctagc tactttctcc agttactttt 480
agaccatatt gttgtttggt tttgaatatc attccttang ctatgttgag aagtagagtg 540
gcttccatta ggagaactaa atttagggca tgtcttttgc tgaatcccgt cagcatattt 600
aacaaaattc ccaattctan annaattttc ccntttatnt ctcttaagta ccctttgcc 660
angggcttct accacatcaa aaggnggttc atgnaagtaa tttggccaaa aggaaaagaa 720
cnagttaatt gaccacctaa caccataaat ggaagtggat taagttantg gttccaaggc 780
cattgg 786

<210> 2459
<211> 746
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(746)
<223> n = A,T,C or G

<400> 2459
tactcgntcg antccgtgct gcgcaaatct ttgcccttct aaagcccaaa aattactatt 60
ccggatcata gatngtttac tgctgccaca tgcagtnttn cagcaagaga ngganctgcc 120
tgcacctatg ttgtcagcaa ttcanaaaag tcttcctttg tatctccagg gcatgtgtat 180
cgggtgttgt caatctcaaa atccgaatgc ctatttgaat caattgctag ggaatgttat 240
tgagcagtat attgggcgat ttcttccagc ttcaccatat gtttcagatc ttggacaaca 300
tcctgttttg ctggcattga gaaacacagc cactattcca ccaatatcat ctctaaagaa 360
atgcattgtg caagtcataa ggaaatccta ccttgagtat aaggggtcct cacctcctct 420
cgcttagcat ccattctggc cttcatcctc caactcttca aggaaactaa cacagacatt 480
tatgaagttg aactactcct ccctggcatt ttaaaatgct tggtgttagt cagtgaacca 540
caagttaaaa ngctggccac agagaacctg caatacatgg taaaagcctg ccaagtgggg 600
tcagaagaan aaccttnctc cagctgactt ctgtgtttan gcagtttatn caggattatn 660
gnatgaggtc tattaccagg gttacagcat tttaaaaaca gtagccacat tggancnaca 720
ggtggncatc cacttgattc tancct 746

<210> 2460

<211> 781
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(781)
<223> n = A,T,C or G

<400> 2460
nnnnnttgac cttccngctg ncggctctac gatggagtca aggccagatt gggctctatt 60
tccacaaccc cctanggagt ttttnaccnt tgtcctaagn ggctgtttcc tgggngancn 120
tagancatat ttgctgtcnc nctgggantn ccaggganaa tctnatgctt ggncagagga 180
catgatcatc tttntgtttg taacctcggg cctggaacag tctccttttg tgttcacttg 240
attctgaaag gtcagtgttt tanaacaggc ttttcacatg gttcaccagg aggccagtta 300
gatcctgtag tggaaagggc aaactcatgg cancccttct gctttctcaa ggcaggatgc 360
ttgcaagggg cagtgaggta agaccggtgg acaccgtgga nggagaacaa aanggggagc 420
cccaggggca tctgcagcca ngtggacccg ttcagccttc tggcacacat ctgtttggct 480
tgggtgggan gtatgaaggg cgcanatctg aaaaccaagt ggtgacctag ggagggaaca 540
agcgctgtgc agcattgatg aaacttaaaa gatgaagtcc tggtcccngg caccggtggc 600
tcacttctgt aattccaaca ctttgggaag ncnangcang aaanatngct tcaacccccg 660
accaaaaaaa aaaacccaaa antttanccg gggccgnggn gacattgtnc ctttagtctt 720
aanttactcn gggaggcttg aggttnggga aaanaatttt nanccttggg anggcaaagc 780
n 781

<210> 2461
<211> 753
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(753)
<223> n = A,T,C or G

<400> 2461
tctctncgan ttccgtgctg tcggnctttg gttgctgttc tttcctagac tcttcagaaa 60
aaaaggaatt acctnncann gcttaaagag gtngtaaatc caanccaatc cattttcatt 120
ccanctgcnt ttcatgcttc aaagtaangg ctgttancca gaatcactng tgaagcttta 180
tccncatatn cattctgtga tcttattccc tgtaaacccc tattcantag tcggnctgtg 240
atgaaatccc aggcntcttc nttcaggtta aaaaaaatnt ntntntgtct ncntgaaatt 300
ctggtattcc ctgttgaaaa ccagtcttaa gttanaggca ttctgcagtt gtncggaaag 360
taagggaaac aaagttaaaa tggaaaaaat tgaattaaga ggcagaagta atgaatttga 420
tcatttgtca ttgccnctca ttgtagacac ttatttttga tctctgtaaa catcagctta 480
ttctcaaagt atgangnctg aatacttgct tgngggtgat catctttgtg tagaatagaa 540
aagacaaagt aggaccnggt gcagtagctc acacctgtaa tacccggcnc tttcgagang 600
cccnaggngg tagaaatgct tgagcccagg aatcaagaac agccctggnc aacatggnga 660
gaccctgtct cttctggaaa aaaaaaannn nnnnnnnnnn nnaaattccn ggggcccntt 720
tntcnggnnt nccccncttt aaaaaancct tgg 753

<210> 2462
<211> 747
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(747)

<223> n = A,T,C or G

<400> 2462
atgtcnttcg natccgtgct gtcgtcctcc tttatgagaa aagaaataga ccctgataga 60
tgaagctata aagttctata acatntcttc attgaacgtg tgatttttt taaagtntaa 120
atagcntatt catatttttg caaattgctt gttttcagta cncagcgttt tgagagctgt 180
gtatgttaat gcagttgact cccgaacagn gggtttgaat tgctcaggcc cacttatacc 240
tagcttttat tcaaccaaac acataatggc cagcatatat gaggagctaa cttttcatat 300
gtgtggtctc cacagggccg actgcaggac ttgagtatgc atggatttgg ttatatgtgg 360
gtggtcctag actagtctcc tatgtgtgcc aagggacagc tgtacatgtg ggcctaatcc 420
tttccttta aaaatttatt tgagatatca tcattcatat accatgcaat tcatcttcag 480
tggttttaaa atatttacca agttgtggcc cggcatggtg gcttatgcct gtaatcccag 540
cactttggga ngccgaggcg ggcagatcac gaagtcagga gatcgagang cgcctgtagt 600
cccagctact cnggangcta aggcaggana atggcgtgaa cctgggangt ggagcttgca 660
ntgangcgan aatgtaccac tgccttcanc tgggcgacag aacaagactc atctcaaaaa 720
aaaaaaaaat ngccagcctt gnggctt 747

<210> 2463
<211> 732
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(732)
<223> n = A,T,C or G

<400> 2463
ttntgacgcn ttcgtgctgt cggcctnatc cctntagaca ggactacaat tggcagctnc 60
cnattacctg natgtggang ganacttttt ttactntgcg tgttctggcn tnagcgtgca 120
tctggngcct tgcacntgat gctcacatnc ctnaccctnn ctnnggngtc aaacaatgta 180
ctttncaggg tgnnantnnt ctccatnnct attngaagtg gctngaaaaa ngcnannttg 240
actcttntga cgttggatnn aancnncnaa tnancctcg agtnnttcaa tgatanctga 300
cnaactaaat tatttcccta taaangaana tgacatgagt gntgtgtggt ttgnctanac 360
nactgcattt acagcttttt cagggntant cgnagcactg nacgttcaga tgcatnccaa 420
ntggtgcatg ggtcctaatc acacatataa agctggntac cancttggc ncagcactgt 480
natctggnca ancaactgtg gtaannacac atgtaanatg cnttttnaca gctgatactg 540
tttcagacaa accttnatg caaaatttgg ctttagattg gcnctttttg aanatatgcn 600
acaaatatgn gatgngatgc cgganggncg ttttgtctta atgggaaant ttaantcctt 660
gtgacactta caggttcttt gagacatgac ttngnaagga tgggcctatt tctcctntga 720
atgtcatagn ag 732

<210> 2464
<211> 821
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(821)
<223> n = A,T,C or G

<400> 2464
tatnttacgc nttngtgctg tcgggggat caggatactc ctgctcacag acacccatct 60
ccccctacca aaaataacgc tgggctcctc nttccaccct gactntgcct ntntgtntgc 120
agganctgg tcggggngct ccacaaaagc tgngcctggg ctngggagcc aaggccatgt 180
ccntttcccg gccagggnan acggancccn tccacagtgt cagntatggc catgtggccg 240
cctgccagct aatgggcccc cacaccntgg ccttgagggt ggganangc cagntcctcc 300

tgcaaagccc ccaggtggaa aaaatnatgc agctggtgaa tgcctacttg gccaacccct 360
cccccgagag gccctgcaga agnttttttc ctccatgcca agacctgcca gacacctccc 420
ntccaagcca gcgcccggcc tggacnagcc caaggacaag tctggctgnt tggggcaact 480
tgcaggactg agcctgccaa gaggtcacga cttccttctt gncttcagcc tgggccanga 540
ctgctctgag atttgangga aacatggacc ctttttggnc cttgcagggg acangggcac 600
attccaacaa cccnaaggct tacnaatngg ggtgtggggt aaatttttct aagtttggtt 660
tccttnaaat ttaatttggn aagaaagaaa aaacccaaaa aaaaaaaaaa aagnttttt 720
ttttttttnc ccccaaaaaa aaaaaaaaaa aaaaaaaaaa attttttgg gggggccggn 780
ttttttttc ngggnnaaan cccccaaaac cttttaanaa t 821

<210> 2465
<211> 921
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(921)
<223> n = A,T,C or G

<400> 2465
ttancnaacc cctttccaag ccgggggcnc gatcttaagg acagtcgctc cctgaacgcg 60
gagccggagg agacgaaggg aaggtggntt ngacgccacc cgcgcaccgg gcaggcgcgg 120
agaccggcgt gggacagcca cctggngcgc agctgccaga aagaaggact ttgctgcttt 180
gggccaggat ctgaacttag gtgtaaacca ttgccctngg cagaagggaa cctaccccag 240
tccattgctg gcctgctaca agaatattga aacagtaatg ggcacaatat ttttgggtta 300
ttgaattcac tcaagtggga ctggtgggaa ttggaaatgg aaactggtat tcccattccc 360
ccaatcaatg aatggtanca agaaaaccca aggtcttctt ttcaacttaa atngggaagt 420
tcttcaactt cttggttggc ccccaaggcc ttgggaagtg gccaaatggg gtgccaaaat 480
cnttngggct tttactgggn aacccttncc accttaccat tgtttcaaag ncaaattctt 540
ccttggcctt caagccctcc ccgaagtagg ttngggnact tacangcacc gttgcccacc 600
attgcccaac ttaaattttt ggnatttttt aattaanaaa cnggggtttc ncccatattg 660
gncaggcttg gtctcaaact ccctggaccc tttatgnatc cctncccacc ttgggccttc 720
caanggggct ngggaattac aaggcgttaa accaacccgg ttcccaaacc cctggggntt 780
aatggaattt cctaaaaaca ccttttaaa atcaatttct taaaaaaaaa ttttntnang 840
gnggtttggt anaaaaattt aaaagggnaa aaaaatccct cnannaaata nnttttggna 900
ncattcatta aaaattggcc t 921

<210> 2466
<211> 773
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(773)
<223> n = A,T,C or G

<400> 2466
ntactnttta ccacccttg ctntccgttc tcatggctat ggctaaagtg taagagggta 60
agcctccttg tacaagctca tgtaagattc ttgcttatgt ccgtgnacta ctcacatctc 120
aattggccaa aacaatgccc aaatttgcca aagtccatgg atgggaggga ttgcaatgtt 180
atattgaaaa aacttgatca tagaaggggg ggagattgga ccagtcattc acctccccat 240
atcttgccag ccattaatat gaatacatat tctatttgat attaattgtt atctcctgct 300
catgagacag ggcttgctcc ctgttacttc tttcctcant gtctgtctga gtgttgcctg 360
tcctggaatt atanatatca tttgaagtat tggttggata ataaagaatg aatgagcccg 420
gcatggggtg catgcctgtg atcccacact tttggaaggc caaaanggtg gattgcttta 480
actcaagggt tcgaaaccac tggcaanggg gtgaaacccc catcttgcaa aaaagcccat 540

tattaacccg acctggnggn gcatgccngg nggnccctgg ctaccncaag gaagctttaa 600
ggtngggaan ggttcatttt tgggnccccc gggacaantt gaaggcttta aaattgnaat 660
tcttttaanc catgncccat ttggcccttc caancentng ggtnaaaaan gggggnggag 720
aacttntttt tttnaaaaan naaaaaaaaa annnnnnnnn ttnttcnnnc gcn 773

<210> 2467
<211> 644
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(644)
<223> n = A,T,C or G

<400> 2467
ttactantga acnccttttc tnananacgt gactcgggtt cctctagaaa anncagtggg 60
cngantnaaa ttccaaaggc annggggganc tggaggaagg ccttaaccag ggncggcggc 120
ttggtaaggt ttgtaggagg actggntgca ncaaaggcag gganaccagt gtggagtntg 180
ntcancaccc cactgggaag gtggtgatcg ccgtggtgat nancagttnt tggtanctgc 240
ntgtgaggag ggtgacaggt caggacttta cctcaggaaa ccctgtggat ggtggagggg 300
aaaatcanct ggttttggtc cgggtncttt tgagcanctg tgaagacctc caggacagtc 360
ccaatcctgg aatgtcttga ctaaccagat gcttanactt gggtctttct caaccgtctt 420
gggtacaatc tgactctcca ctttcttggc ctcctggctt tanttgctta ttggaaatgg 480
gcattttatc agcagncgtg atggatacta tggtcangac tgtacccact ntnctcttaa 540
tatcaaacaa aaagtattac caggacttta tatgctactg ctgggtntat ccaccatcat 600
aagtaatgaa atnttactag attaacactg cactagaacc tttt 644

<210> 2468
<211> 1127
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1127)
<223> n = A,T,C or G

<400> 2468
ccccccccnc ccnnnnnnnn nnnnnnngnn nnnnnnnnnn nnnnnnnnnn nngcgttntg 60
nctcgagcgn ggcgngcngc ntttcnntgn nngggggggg gggggtttt ttnttttcc 120
cgnnggngnn gnggggngg gggggggcn cgcggggcgn tttnttnggt ggnggcgggg 180
ncgnngngcc gccgggncn ccgccgggng tgncnggngn cgcgngcgcg gncnccgggg 240
gggngnnnnn nngggcngng nggnnncgnn gnngnnnnnn cgnnnnggg gnggngngcg 300
ggngnncgnn nncnccgnnn ngncgnggn nnggnncnn nngnnggcgg ggnnnggggg 360
gggnncccng gggggngnn nngcnnnnnc ggnggggggn gggnnnnncg cggnncncgn 420
nnggggnnc cncngnngtn nnngnngnng ncngnncgcg gggggcngng ngnggnccnn 480
gngnncgggc ggccgncggc ngnnnngncg ngccgnctcn ngccgtngnc cccggnnggn 540
ggnggcngcg gggggnggc cncnccnngt cncgnnggg gcngnggggg gggnnnnggc 600
nggngngccg ngnnnccggn gncgggggng gnggggngcg gccccccggg ncnggggcgg 660
gcggncnngg ggcgcgtggt gggnggcggn gngnngccgc gngnngnggg gcggggcggn 720
cnnngnggng cgcgnggntg nggcggggnc nngnngnggg cgcncgnggg gggacnggnc 780
nggcgnggcg ggngcngggn ncngcacngn ggnggggncng gggggggcgcn ngnggggngg 840
ccgtgggccn ctncgggngc cnngcngcng nggggggcnc ccncngggnt ggnggggggc 900
tgggcgggnc nnnccccggn cncgncnnng ncgccgccgn nggcnnngng nggngcgcgg 960
gtnccgcgng gtggggnntg ngnngcngcc gnnggggcccc gggnngcgtc ggnnggnngn 1020
ncngttcgcg ggggcggngg ngngcgncgg cntgggnnng gggnggggngc ntgcncgncg 1080
ngnctggnng ncgggtgntg gccggcnngg cgcngggggcc ggtcccg 1127

<210> 2469
<211> 1109
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1109)
<223> n = A,T,C or G

<400> 2469
nacctatcga cgttctcagc ngnagccaaa acgtcgactc tagaggatcc caaggntccg 60
ggtnggncct ccccccggnt ttttctcttt tactgggana catgagancn aacangggan 120
atagggncnn tgggtccata gccaatngna tncaatgtgg gtgcccccat cctccnngnn 180
gntagtcttn tcnccanana ggaacccgan ccagcttggg gnnannttttt ggctctccta 240
cacgctngtc gtnnnttttа ncctcngngc ntgaagggaa agtantgatg gangaactng 300
tgngcatgat aacaaagntg cangaaaaat catnngccnt actgtccnct tgantgtaac 360
aancntcntt nttacntgtc nanantncac ccnggaatgg ncntngnccc tntgcgtant 420
gtgggnnnan ttncaaaacc ccngntncnt ancttactnn cantantngc cccacctgga 480
tnnngcatag ggtttggnng aagacctnna ccnnataatt gtnnacnact gnaaaaantg 540
gtgaccantc gntcctnggc cnnaccctaa ctaanacntc tactatnctt cgnanaaaaa 600
nncntncttt tntattangn nttntagatn ntatgaacct ncncccttgg ntagnctntn 660
acntaaataa ntntattgtg ccangcnccn tncngntgna angccantna nantanaaaa 720
ccantgtctn aantcagaga cacnattttg ngcccnnngc tgaagnaaan aanncttnat 780
tngntttcac nnggatanta gttnttttta taataanacc ncnagaanct tntntgccta 840
atttaacntn tactntnana taaangnnnt acaccgntat nancttgnga natataaaan 900
nacaancnnt ggnatntatn ctnancnccc tagctcataa aacnctannt ancgntgngg 960
atnatantan aacnngnggc tctcnccnta nattggaaaa accantggtn angcttttgg 1020
aantcttatt tatagtnncg tacgnanatg tntaccnnat gncncttnnc naaaanaact 1080
atagtnnctt cntcttnntn ganatnang 1109

<210> 2470
<211> 782
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(782)
<223> n = A,T,C or G

<400> 2470
tattttaacn cctttcgant tccgttgctg tcggataggg caatccaaga gacatagtcc 60
taaccccaga gtagcatgta atcccttctt agcatccctc tttgaaaact gaagatagta 120
cagctgaggg aactgaacag gttcccagga tcatagagaa tcattaagct gaagcaaaca 180
aacaaacaaa caaaaggcaa actagaagaa aagcaggatt caatgggttc tgcaccttct 240
tagtctatca ttgctttgta aacattctcc ggttttacat tactacagaa tatggtccag 300
atataaagtt ctactgtgtc ataagacagc tgattttcag aattcgtgac tgacagaaaa 360
aacaattttg gatttaactg gatacagtaa tctgaggaca actgcagttg tcaacctttt 420
cttcctttca ttcaatgata aaagatncaa aaagtgcacc agatgtttct agctatttgt 480
ggaatgaagg acatataaat aatttttttt ttttttaaat anacagattn tcactnttgt 540
cncccaggct ggactgcagn ggcacaatct tggctcactg naacactntt gccttccagg 600
ttcaanaaaa ttnttgngcc ttancctncc cgagccagct nggggagtac anacccctgg 660
nccccatac cccgggttaa ttttttgggg ccnaaaatac ccncattngg ccnggcccac 720
ctttttattt aanaaaanat tgggggggcaa cctnttgctt taaggacctc ttgggatttt 780
tn 782

<210> 2471

<211> 748
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(748)
<223> n = A,T,C or G

<400> 2471
ntnnnttacc ancgntcgan tccgttgctg tcgataactt tttactcata tcattgtccc 60
tatattagta ttaagagcat tttgtataaa acttcatgtg aggatctcaa ttctttataa 120
ttctcttcaa agcaaggaag tatatataga gagaccttta ttttttagta atttttttcaa 180
atggtttggg agatcttatt ctagcccaat tctattctgg cacttaatta ttttctggtg 240
gcttgtaata tggtaaatac tggattccag attgcattcc tatttccttg ggaggtgagg 300
atactcccat ttgtacaaga acttaaaaca gcccaaaatt attggtttac tttgatctga 360
taagttttga ttgtggtgat gtctcttaat accgaatggg gctacaattt taggtctgtg 420
aaattataaa tatcagcatt ctgactaagt atccagaggc agatgaactt ttaggatcat 480
aattttcctg tgctatatgg attttaattt ttccctagtc ttcactttct gttcagtaat 540
tttatagccc tttggaagag ctttatttga gaggctgtgt cttatgttga aactgtcttc 600
atcgtgcaaa tatgacccng tttnctgtgg agtcttcata ggtgactatg acaagtacct 660
ttnccatcaa ncaccttctc aatgnccgaa naactgtagc atcagcttat gtggttgcta 720
ccccctggnc tttaattcca tatttccg 748

<210> 2472
<211> 748
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(748)
<223> n = A,T,C or G

<400> 2472
tgacntancc cttccgaatc cgttgctgtc gaaggttgcg tagctaataa gtggcagaac 60
tgacatgcaa aaccagtctg tntgccccnn nagatgcatg ttctttacca tcacgtaggt 120
caggccagga tgtcaaggag agcaaccccg aactagtcct ggtgatttag actagagcgt 180
ctttcactgc tgtgattcct tcattggcac tttcttccag ttgtacaagt gtctgtcttt 240
gcttggtctt tgcttgttct acccttagtt tagcagatat ccctctctcc atgaacaagg 300
tgagtgagct ctttttctga gtacatttgg tttttcaaaa tccctccaag gaatcatttc 360
cttgaccaaa tgccctcatc tgtggtggcg atcaacatct ttgattttac cctttttttt 420
ttttttaaan ttgaaacaaa ntctcccttt nttttttnagg ctggagtgca gnggggcaat 480
nttggctcan tgnacctccn cctccagggt taaagnaatt ttcctgcctc ancctcccta 540
aaagcnggga ctacaggngc ctgcccccac acccagctaa ttttttgttt tttaaaaaan 600
aaaaaagngg gtttccccat tgttaaccag gntgggttaa tcncctgacc tngggatntg 660
ccccccttgn cncccaaaag ggctgggatn anaggngggg gccaccatgc ccggncaatt 720
tnccctttttt ttaanggccg gnccngct 748

<210> 2473
<211> 1198
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1198)
<223> n = A,T,C or G

<400> 2473

nnnggnagnn ntannnttat ncgcgannnn gnnnnaganc gngnnnngnn nnnntggnan 60
nnnagngnnn nnnanggnnn nnnggcnngg nntgggnann nnnacgngnn gngtgngctc 120
gggaggngan nnngcancgc ggngntggtn agangatggt annnnnnnna ngcaannnct 180
nnnnnnnnnn nnntagannt tngccctttg gngaaagncg nnncaacnta ggagnaanng 240
nacanngacc ccgntggang gctncgggng acgnaggggn gctttttttn tttttctncg 300
gagnanccnc ngggggggnt ggagcagngn nangnnctcg nnagnttgga tnngannnng 360
gngngngacc gganggggtna ggngntgnna nncgntgann tgtgnnnctn acaagggagn 420
ngagnanagg nngngnncac gacacnnnnn ngngagnnnn ggnnnnnang nganangcng 480
gncgcgggga ccnngnngag ncngcngagn ngatagaaga ntgcngnnaa gnnntggngn 540
ccgngnggnn acgcgnnggg naaggcgnng gnggngcgcg nntngtgggg agtagnaanc 600
cgagatnngn ncgacngcna ncncnanngg aatgngcagn gnggtggnna ggcgagtgca 660
ggcnncggan nntacggggn nngggngcac gccacgacga gannatngcc angncgaaca 720
ggaactngtn nannncngng acgnngaagc gnnagtagan ngnggnggnn natnnggnnt 780
gnnnagnnng gaggngcgcn gtggcangat ngnnacngnc gnacncggga tggggntgtn 840
gtggncctcg aagancgcga gngngnggtn agnnganntn gacgcgnnga gnngcnntnn 900
cggagnangn gcagcncgga cnnccncgcn aggacnntng atcgntcncn nggnngaang 960
cgnngaaggc ncncgantnt ganaggcgan angnncngga tggnnnnnaa ccgtgccggn 1020
ngggnaggga ngnnagtagn gacgnnaaag gaanggngag ganannacga gagcgaatgn 1080
gaatgnnctg gtngatgagg ggnagggagn gnannngngg acgagtgntn tggngacgcg 1140
caagctgnnn gacnncagag gggannngntn gggccaatnc gcgnngcagc gtgangcc 1198

<210> 2474
<211> 767
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(767)
<223> n = A,T,C or G

<400> 2474

ttctgaccct ttgcgaagcc gntgctgtcg aaagaccaca agtttcagag catggagaca 60
ttcctgctga atcgccttct cacctcctnn gcaattgctc attctagggt tgggcatcat 120
agttggtcag tcttaattcc catgccaaag gacaaacagg tgtgacattt ggatagatga 180
atactgggat tggctctgga gcatgtgttt tgagttgaac cttgcagtcc tttctctacg 240
cccgtggatt ttgtggaaac actttgcaat ctctttgctt tttttttta ccagaactag 300
ttacattgga atgcttactg tcctacanag tggcagcaaa taaaaccttg cnttccatca 360
agccaaaana gcacactctg ttagaggana tacatgttta agatagaatt ggngggaagg 420
acaaaaacag aaaaatgttt ggcttttaan ccattgggta gtattgtttt gatgatctta 480
naggagggaa naanaaaaga aaagacccaa tgntagaacc agaatcaggg agatgactga 540
cctactgaaa aacaggtccc ttgtntttan gatctttaan gggtataaaa agcaaacatg 600
acttttgcnc ctaanaaaaa ttctgcattt ctcatagttg gggcccaatt aaccaaaaaa 660
gttgtttttt aaaaaaaaat actggtccca ttctaaacca tgatttttg ggggaaacta 720
atttttttcc ccntttgcc aaaaaccagt cctttccaaa attanct 767

<210> 2475
<211> 1000
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1000)
<223> n = A,T,C or G

<400> 2475

ngnnnnnggn gnggggnnnn nnngnnnnnn ngngggnngn nnnnnngnng gngggggngg 60
ngnnnnnggn gnnngnnngg gnnnnnggng ngnnngnnng nnngnnnnnn nnnnnnnnnn 120
nnnnnnnatn ttnnngcnct tgggaagncg ngggggnnnn nnggnggggn gggngngnnt 180
nggnnnnggg gggggggggg ggctgtttgn ntgttttnct cnnnnnngng gnggggggga 240
ggggncnngc ngngtnncnn nttcncnggn gtcgggggggc cgnngngggn nggggnnggg 300
gggngggggng gggggggggng gggggcagn ggggngggcg ngngnngngn nnggnanggg 360
gggggnnggg ggngnggngg gggnnngnng gggggggggag gnnnngnggn ggnggggggn 420
gggggggngcn nggngggggg ngggggggnn gggngnggag gcgnggggggn cgnnggggngn 480
naggncgcng ggggnnnggn ggnggcgngg gggngnnngg gnggggggngg ngnggggngg 540
ngggnggggg ngnnggngng ncgngnnggg ngnggnggng ngggngnngn ggncggngag 600
gangggnggn ggngnnnggng ggnngnnggg gnggggggggg gggggggangn nagggnnggn 660
gggngnnggc gangggnggg gggggngngc cgggggggggg gggggggngnn cnggnggngn 720
cggngggggg gangggggggg gggngnggng gggggnncgg gngaggnggg gggangggng 780
ncccgnnggg gggggggggn aggggcnggg gggnggggggn cnncgggcgg ncccccgggg 840
nnnnnnnggg gggngggnng gcgggggggnn ncnggggnnn gggggggggg gnncgggggg 900
gggggccgg ggnggggnng nnggcnggag nnntnnggggg ngcnnnggggg gnngncgggg 960
nganancggg gnnggnnngg gggngcgcgt ggnngnnngc 1000

<210> 2476
<211> 882
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(882)
<223> n = A,T,C or G

<400> 2476
ttatnttaac ccctttcga attccgttgc tgtcgaaaga atccacactg cccaggtcgg 60
ggagcagtgg tggccagcag ccctcaggga tganngaggg tgtcaagagg tatgaacagg 120
agcatgctgc tatccaggat aagctcttcc aggtggcaaa gagggaaaga gaggctgcca 180
ccaagcactc caaggcatcc ctgcccacgg gcgaaggcag catcagccat gaggagcaga 240
agtcagtccg gctggccagg gagctggaga gcagagaggc agagctaaga cgccgtgaca 300
ccttctacaa ggagcagctg gagcgtattg agaggaagaa tgctgagatg tataaactgt 360
cttcagagca attccatgag gcagcctcaa agatggagag cacaataaag ccccgcaggg 420
tggagcccgt ctgctcangg ttgcaggccc agattctcca cttgctaccc gagatcgccc 480
cgcatgaagt gcttgcttgt gctcggacct tggtcaangc attaccaacc cttgcgtgaa 540
gcgcccgccc cacaaagggc ttgaaggaac caaaacattc aatttccctt gcccttggcc 600
aatggacttt gggaancccc ttgaaanaaa ggggganccaa ttcattgggg aanccacaaa 660
cccacttgtg gccccttgnc ccgnttttc cttgcttngg ggccccccct gccattattg 720
ccccccccttg aaaccccttg ggggccttgn cccaccgttn nttttaangg aaaaaccaaa 780
aagtttttgc cnccttacct tgttcttggn aaaaacccaa anttnaaagn cccnnattgn 840
ccccttttgg ntttttcnaa aaaaaaaaaa aaaaaaaaaa at 882

<210> 2477
<211> 769
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(769)
<223> n = A,T,C or G

<400> 2477
ttacttttaa acccctttcga ntccgttgct gtcggaactg tttatcttat cctcctcagt 60
gatacatcat gaagttgtgt gctttgccta aaatgcccag ttacctgaaa ttgtataaat 120

tcttgccaaa agtgtttgaa cttaatacaa acttcccatc tcttacctct tagcactgtg 180
ctcatcttga ggggacatag tcccaatttt gtattttata taatactgtt agtgaatatg 240
tgtagacttc atatggttgt gggtaagaga atactgcatt cagatagaaa agatgctata 300
tagctaagtt gatccaggat ccttgggcta cctgctaggc agcttgtggt gaacaatcat 360
aatctctaaa aaataccttg tctggaccgg gcgccggtgg ctcacacctg taatcccagc 420
actttggcag gctgangcgg gccggatcat ttgaggtcag gagtttgaaa ccagcctggc 480
caacgtggtg aagccctgtc tctgctgggg atacaaaaat tanccaggca tggtggcaca 540
tggctgtggt cccancttct tggggangct gangcangaa aatcctttga actgaaantc 600
aaggcggagg tcgcggtaag cccaaaatcc accatttgca ctgcancctg ggtgaaaaaa 660
aacaagcctn cctntcaaaa attaattaat taattaattt tttnnnaaaa aannnnnnnn 720
nnnnnnnnnn nnnnnnnnnn nnnnaaaaat tttnccggcc ccttttttcn 769

<210> 2478
<211> 780
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(780)
<223> n = A,T,C or G

<400> 2478
cttactttna ancccttttc gaatccttgc tgtcggcagt agggggagtg gggaagggac 60
ttctgcatca gggcatagca tatgtttctg agatnactgg aagaagctag cagtgccagg 120
agcctaaagc cagctcactg tttggtcgtc cagtggagca ggtacagctc acagtcccta 180
agccagggaa acctggctga cttccactaa agtcaagcaa gcctggtcgg cctcgattag 240
ccaaggtgtg gactcttcct ccaaagccca cctcagccca cctctgccag ggcagagaag 300
ccaaaatggt cacattgcag ccaaaatggt cacacccttt tgctccagan cagaatactg 360
cctctcagtc ttccaggtgc ttgaggataa ctgggggctt catttaagtg catattctga 420
ttctgtangt gggggtggga actagattca gcatttcttt cttttctttc tttctttttt 480
ttttttttnt gaaanagggt nnaantttnt cncccagggt ggagnggagg ggcccaattt 540
tannttnaaa naaaccttcn ccttttnggg ttnaaaaaaa ttnttccccc ccanccttcc 600
caaataattt gggnaaaaan gggtttnccc ccccccttcc ccancngaat tttnggnttt 660
tttggggaaa aaacnggggt tttncccatt ttnaccaagg gtngtttnaa aactctgggc 720
ccnaaaanaa ttngcttcct tnggcctttc aaaaaagcng ggattanccg gggngaatnn 780

<210> 2479
<211> 1218
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1218)
<223> n = A,T,C or G

<400> 2479
nnnnngngnn nnngnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnggnn 60
nnngnnnnnn nnnnggnnng nnnnnnnnnn gnnnnnngnn nnnnngnnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnna gntggnttnn tnggcncntc gggaaanccc nngnngnnng 180
gnnnngnang nnnnnttnnn gncttntntg nggngggggg ggnggggggg ggngtttttt 240
ttttttttnt tttgnnnnnn ngnnncnnnn ngggggggngg gtgggggcgc ncnnnnnggg 300
nngtgtgttg ccnnngggncn ncnngnnnnn nnnnggnngn gnnnnnnggn ntgnngnggn 360
gnngggngnn ngggncnngg gggnnnnggn nngggnnnnn ngggnnnnnn nnnnggnngn 420
ggggnggggn gcngggggnn nnnnnnggnn nnnnngnnnn nnnggggggg gnggnggggng 480
ggggngnnnn ngggnnggng gnngngnncn gnnnnggncn nnnnnggggg ggnncnncgn 540
ngntnnnggg gnngngnnnn ngngnnnngg nngggnggggg gggggnnnnn gnnggggnnnn 600

nnnngnnnnn nnggggnggg ngggggggnng ggngnaannn nnnnggnnnn cngggnggggg 660
gnngnggggn nggnnggnng gnggggcngg ngannnggggc cnnnnnggggn nngnnnnnnn 720
ncngggggggg gggcnggngg gggggggnnn nnnnggggnn nnnnnngnnn nggnngnnng 780
nnggnnnnnn nnnggggggn nnnnggannng gggggggcnn gggggggggg nngnnggggg 840
ggnnnnnnng ggggnnnnng nggnngnnnn ngggnngnnn nnnngngnnn gnggggnnnn 900
ggnnnnnngg gggggggggg gggggnnnnn nnnnnnggggn ggggnnnggg gggggggggn 960
nnnnnnngng ngnnnnnnng gggngnnggg gggggggggnn nnggggnnnn gnnnggggggg 1020
gggggggggnn nnnnnnnnnn gnnnnggngn nggngnggng nngnnngnng nnnngnnngn 1080
gnngnnnnng gggggggnnn nnnnggggggg ggnngngggg gggggggggnn ngggggggng 1140
gnnnnnnnnn nnggngnnnn nnnnnnnnnn nnnnggnngg gggggcnnng nnggggggnn 1200
nnnnngggng gggggcgc 1218

<210> 2480
<211> 1186
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1186)
<223> n = A,T,C or G

<400> 2480
cccntnnntn nnnnnnannn ntnnnnnnnt nnnnnntann nnannnnnnn nnnnnnnnnn 60
ngntnnnnnn nnnnnnnnnt ganntatcga ntanntnncn nnnncanntn gtannnannn 120
tnntnnnnnn nannnnnnnn nnnnnanaaa accttcgacc nttctcagcg ggngacgaaa 180
cagtatatgt aggtagaaaa agaaaaagaa gggtanggtc ttnagcncng gtggacnggg 240
gannttaaan gcttaggggg atanggaata ggattannan gggagaccca aggggccagg 300
aanggtagga aaagctacca aggnttggtn atcctaggaa ngaaanaaaa ggnntttnaa 360
ggaggatgtg atggnctggg gcnaaaggtn gttggnccag ncaantaant tgaagattga 420
gaaatgatcc nttgggtgta gtggatgaag gcaatagtng aactttggga ntaaaacctg 480
ttttcaagtg ggaggtaatg gggganggaaa tgccntgttg gggaantgag nttcaaggta 540
accaaccnga nggaggagaa aacttggang aatagccaag atggtangaa ttaagaantt 600
cccnaagggg ngtttttng nttggtccaa agggnaaaag gaatngaatt tggaagaaat 660
ggggaaacnt ccgaaagggg gnggaggagg naaaatntga ggaatttttt ttaaaaaaaa 720
aataaattan atttanagnt ttgggggggag naaaaagggg ggcaatttgg gttggggaan 780
ttctttaatt tggggcgatn ccaccttcca cccacnaagg aaaggggaaa aaaaatgggg 840
gattgggatn ggaatttcca aagggaacaa agttggggaa angnaagnaa cacgcaagca 900
aggtngngtc nggggnttca aggattnggc cttaaagccc tncttaaaaa aataggaaaa 960
ttgggtntta aaaaaattan caaggtgggg gaactttcan ngnccctggn caaanctggg 1020
gnncnatggg tgccccnttt accttgggga accccccttt ccccattnnt ttgggccggg 1080
tatatgnttt tttggacctt aaaccaagaa tnggggggnga ccanttttt nttggagaaa 1140
aaatgggnaa aaaaaagnan gggcncccccc tanaatttcc aaaann 1186

<210> 2481
<211> 1101
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1101)
<223> n = A,T,C or G

<400> 2481
ngnattttnt naaaaaccnc ctttttgcg gaaaatcccg tttngccttg ntnctcctaa 60
aaactaactt ctccccctttt tggntcaccc ccccccntaa aagggncana aagagagatt 120
ggngngggta nngggatttn ttttttntat tnaaccnttt nttttgggnc naaggggcca 180

nagccccncc aaaaaagnna ngggggggggg ggaaaaangn gngnggtgaa aagcgnttct 240
catnnaggcc aatcgngggg ggnannanag tntcaccccc acctgtgggt nctntcttnn 300
gggncaanag ggngnccctt anaaannntt ataanctntt tttacacttc ccccntttcc 360
cctttnnggc ctaaatggaa ngaanggaca tcatnaangg ccnngaaagn ggggnaccaa 420
nggnggncnt tcctggctnn nccttanttg gggngaaggg nttccctagg ncaccaagac 480
tcaaccttnn tttctngcac cnnccttttt nccttttgaa anannananc aacntnctgn 540
aacaaaatcn actgcttggt nctgcttttg angggngtaa tnattcttta nccnaanctc 600
tggaanttgg ncaattctat tttttaaaaa cctctaaann angggnanan aanccttggt 660
nntnanaatt gatanacntn ngnttccnct nanggtacat ggttggntnc aagaacccta 720
tttnntaccn tatgnaanac angtctntga tttnctngca aannnaaaaa ataccctttt 780
tngnggaana ntaaaggaaa ggaggcttag nngtncccan tgcccctctt tggcccttna 840
acaggatngt cncccanagg ggcccccccat ttntggcntt tccttgnccc ccctnccctg 900
gnntnacctn gnttngatng cacttcttcc tttttccctg nnaanacccc tgggttttnc 960
cnaagtnctt ncttcctggn nccccctttct aaaaantcct nttggaaaat ccncncttnn 1020
cnccancctc tntgggttcg naacacttgg gnacccaatt gggcccaatn ctctnggctg 1080
gntnnctnta ccccnnancc n 1101

<210> 2482
<211> 1093
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1093)
<223> n = A,T,C or G

<400> 2482
ncttacgcnt tngngctgtc ggtgatttgt ttctattaaa aataatttтc aagtgggttt 60
cttgtncttt agtattgaaa actttngtgg tnnttttann aancttngga ccngttttaa 120
gagaantcag tacccтttng ttcccctntt tggantccta aaaaaaaang tcaagttntc 180
atgnccaggc ccgaatagtt caggcctggt aaccttancc ctttggggng gccaaggcag 240
aacagaatga acctcgtgga attgggccca cctcanccct cccaaaagtn gctgggtatt 300
tancaagaat ggtggaagcc ccccggcacc cccaagccct ggaagttttc ctcctttтcc 360
tcttcttttt tttaaacctt ttaantttтt ttttggaaaa aaaaccccсc gggtaaggaa 420
ctttttтggt tgggggggga agccattttt ttttgggttt ggaatnaaat ttttttaacc 480
tgggaatcct naaaaaagcc ctggaagtgg gaatttтttt ttttaaaaaa aagnaaaatt 540
tttggnaaat tttttggggc ctttttccct ttcaacccca aggttaaaat taatnggttc 600
cttccccctt tggccntttt ccttttttgg aatgggtngg aataaaggtt ttttttggaa 660
aaaaatnggg gggttgggaa aaaaaaattc nttaaaatta aggaaattcc ttgggtgggg 720
ggtttgggaa aatttttggg ccttgggggg gtttggggtt taattggaaa aagnttcccc 780
aacccccctt gggtnggggg gccccccccaa attaaacccn tttaaaccct gggtttgggg 840
gtnaagggga aggtttgggt ttttggaagn ccttanttтt cntnggggaa gaaatttant 900
tttnggggtn aaaagggtan ttnccttaaa aaagncccct ttaaaaancc catggttntt 960
gtggcccccт tggttttgga acccagttaa agnccccctt tnttttggcc atttggaaag 1020
acnntttgaa agaaaataat ccagcccttg cntnaaactt atgggtggaa agtnttcctt 1080
cncaattttt ntt 1093

<210> 2483
<211> 894
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(894)
<223> n = A,T,C or G

<400> 2483

ttnnctaagc cctttgggnt gccccaggta ctattagaaa taagacaaaa acttttgcnt 60
cnaanaacct ccnaancntn tnggannntnt tntttngann ggggccaacc aaantncccc 120
aaccnttngn ccnccnnanc cnagggcttt nannnangcc nngccanant gggcntngca 180
ngaaacactt nnngccnttt nggaaagggg cccnttnntn taaaannctn aatngccnat 240
gccnngaata aaganggtgt ncctntngca aangaatatc ccaagtgcta aggtccaacc 300
caaaaaggcc tngtaagang ggantcaagt gtnggtnacc aagccaaagg atngaangga 360
anggccagtg atttgaccaa tggggcaaag aatgaagggg acccaagctt gtgaagggcc 420
cnatttgnta acctgatgaa attggatttt tctnaaanaa aatgggggac caagtataac 480
tgtngctatt tgancccttg aaatgtggct tgttccgaat ttgagatttn cttnaattcc 540
aaaaattcac ccctggattt ttaaaagaat tttaaataag ggaaaggctt gggcccccgg 600
tgggcttcac cgttcttgtt aaattcccca ancanctttt tgggggaang gnccaaaaaa 660
ccngggttng ggaattcccc caaagggtcc aagggganaa atccaaatta ccccanttnc 720
cttgggcctt naaacaatct tctttacctt taaaaaaaat ttccccaaaa aaaaaaaatt 780
ttaaaccctt ggggcccctt tgggtttggg cccngggttt gcccccttnt taaattnccc 840
cccaancntt acctttttgn ggaaaggcct tttnaanggc ccngggaaaa aaaa 894

<210> 2484
<211> 935
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(935)
<223> n = A,T,C or G

<400> 2484

ccccccncnn nnnncnnnnn nnnnnnannn naanngnncn nannnnntnc ncnnncaacn 60
naccanannn cnnnnnnannc nnnnancncn nnnnnnnanan nnnnnnncnn nnnncnnnnn 120
tatnggaacc cctagcgcaa acatgganan ccctaactcn ntcaacctgg gacggcaaag 180
gggaggggan ggaanctaac caaagggtaa tggactttag aatcnacata tanccaacaa 240
ancccccgcaa nccttttgggc cannancann ctatttgggg gagcagctgg gggctggtac 300
cataaaanag aagagccncc cnaaaattnt aaggcctttt atccctggct tctaaccnna 360
aaaaannncag ggagaagtca angaagctag ggttcaaggn tgnccccccc tcnaaaaggg 420
ntttgggcca agcggnctaa aacaagtttt ccaacaactg ggaaacaaaa ctgnttaagc 480
ccccaccccn aacntggttc actgggggga cttttgctaa cccgntcctg gggggngacc 540
cttttcccgg ggattttccn ttggtcttta tcaaancaag aanttaaacc accatggcct 600
aaaaccgnnc ttncattttg acttctctac tccgggngtc tcagacaagt gtcttcccag 660
aaaaaccacc accctctacc caaagatgaa acatgctcat gncatttttc tcatggncac 720
atttaaacag ttttgacatg ttatacttgg cgcatagaat ccaacgtttc ttggggaacc 780
tgacctttng agtgtttaan aaagccggaa gnggggggttg cccctgaacc aacagaattt 840
cacctggggt cngggctccc ggngnttaaa cactgggana caatctttga tgngccgaaa 900
gnngagtcaa tctttcngaa cncantttgg gaccg 935

<210> 2485
<211> 914
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(914)
<223> n = A,T,C or G

<400> 2485

ttatcttacg ctntngtgat gccggncctg tcgcttgacg cttggcctgg ctttttttgt 60
ganatatgng nnactttcnt tctttattan gncctaacc ncccttccc nncccnaana 120

anggccattn nctncctnnn gggnnnttnc ctaaaaaana aattanaang gatngnaang 180
aaanaaaggn anaaaccagn atttaanggn ggtnggctta acttggggcc ncctaaccca 240
cctgnttcaa ttnagggctn gaacaaanct gaagcccctt tgaaaagcca aggcttggcc 300
aggancaggg gtgggggccc naattacaac tttccccatn aaaaccaaat tttnttgaaa 360
gnaaattgtc ccaaaantng cagttatttt tcttttgcca agggaggggg gaattcctgg 420
nangatgggg tttcaatgtt cttnttgatt cccccanttn ccttttttgg ggaanggctt 480
gaangntngg ggaaggggaa ttttgccttt ggaagccccc cngngaaagt tttccntang 540
aacccaangc ccccttgggn ccaaacnaat tgggncggaa gaacccccca ttctttctta 600
ccaagnaaaa ttttaaaaaa atntanntnc atctnttntt nttttttctt gggggncccg 660
nttttttta cntttaaatn cccnaacntt tnttaaaaaa ancttttgt ttanattttt 720
ggacnaaaac cccnaatntt ttaatttttt nnttnntnaa ctnctaataa ttnttnttt 780
ctcctatatt cntntctcnt tntttantct nttttnnnta ctntttncnn ctttatttta 840
ctacncttcn nttttntcttn tntctctnnt anttnnacgn acctactnct ctttttttn 900
nctttnttca nnnn 914

<210> 2486
<211> 1288
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1288)
<223> n = A,T,C or G

<400> 2486
nnnnnnnnnn nnnnnnnnnn ngnnnngngn nnngnnnnnn nnnnnnnnnn nnnnnnnnnn 60
nnnnnnnnnn nnnnnnnnnn nnacggacnc ntagggccct tcnccaaann ncccnnaann 120
agcnncnncn nanccnccgg nccnggnccc ncctagcagg aacncggngg gggnggcngg 180
aantttttt tnggtntccg ggggaancng ggcaggnaga ggnccatggg cnccccggca 240
ccncncnagg cggngggncg gnnggcggga ncccnancan tccnnaaggg ccgcancncn 300
aanaccgggc cngnggaccn ggcccgggggg gggnngggaa gggccacccc ngcagaaaan 360
naaggaaggg cnccccggg caccctccc naaaacantn aaaagggncc tggggnaaaa 420
ggccccanaa annnnaanac caannggcng ggaannaaac ccnanaccag gaanatnnnn 480
canggcctgg gagggggggg ggaggaggaa agggggaaa aaggggnggg ggaannaggg 540
ggnnnnccca ancccccang nnaccanggg gggggaggga annccccag gggnacccgg 600
nnantnnggg gagnnanaaa nagggaacna aaaatnnggg gnnggggccg gggaangggc 660
ccgggggggg ggncccaang gccccgggga aaatcccccc aaaccaccnt tttnggggg 720
gggangggc ctggaagggg nccanggggc ccccccaag gncccaaagn ggaannccac 780
ctntgggagg ggggccccng gggggggttt tnccggaggg gacccccggg cccccnggg 840
ggccccaaan caanggggg gggggaaaaa acccccccna aaccccnctt gccnctaaaa 900
anaaaaagnn angtnagaaa aaaaanncna agnccccnng gggnggggnng ggggnnggg 960
ggnggccaaa aaaacccccc nanannaaan nccccccagg ncnnnccctt ngggggggga 1020
agggggcccc gaaggggcc caggggggang aaaaaancgg gcctcngggg naccccccng 1080
ggaaaaaggg ggcggggaag ggggntnngg ccngggncgg aaaggccccc caaggaaaan 1140
gggggggggc ccaccnggg ggaccctncc caagggcccc ngggggggg ggggcccag 1200
ggaggcccnn ggggacccc ccccanatct gggggggnga anaagaaana aaanaaangg 1260
ggcgccccnn nnngggggg annggcgc 1288

<210> 2487
<211> 749
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(749)
<223> n = A,T,C or G

<400> 2487
tttnaccctt tcgatnccgt gntgctnnct ntngctcagn gctnctggna aacacntgga 60
ggagancaaa ncccgccagg cntgnngctg ntnttactgt ttctgtgggg nggggaangg 120
ggaagtnntg aaaattncca ggtgtgtntn aaactaaagg gtttnaaann actgtnctga 180
accagnncgt nttgaggtaa aaggcncagg attntncntg tggttggnaa aaatntcctg 240
tntccaaant ttgaggcagg aaatanaggt tttgctggtg ggattgtggg ganactccta 300
ganctggaac caggaaaggg ggatccactg ttttgtgaaa agggcatttt cacntgaaca 360
aggttggaca gcaggancCC cttagggacc cctgtgagca ggcgtcttga cttgtttttt 420
gaaaacantt aagacganca atgtgatgtg aagcattcan agtaagggta agtggactgg 480
attaaatага ngggcaagtt ntatcatctt tcttntgccc cgtgcctcct gtttcttcct 540
tcatttgttc attaaacaaa tgtttatttg atgggttatn aatgtgccan acttgcctag 600
gtgcatggga ccgcaacaat aaagtgagac caagaagggc ccagttctca cngngcttat 660
atctaataag acagtgaata aataaacttg ccaatcaaat ctntgncata gctntcatcc 720
tttcanacat aatttaaaac atntgaaan 749

<210> 2488
<211> 800
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(800)
<223> n = A,T,C or G

<400> 2488
nacngaccct ttggngctgt cggaaataac ttcgaagtcc tcttccttta caatatttga 60
attcatattt gtnccttctc aaaatagtgn ttcatttttc ctagaattac aggagggagc 120
tcttttacta atgttgtttt ggttgncacc ttggngggct antantagga ngttttctan 180
tngtaaanaa aactctttag agacttttga ctgggtcagt ntactgaggg gtggagattt 240
gnttcatgat gaaaaagcct atagattgcc aaaaaattaa ttctccaaac caccтttcac 300
tctcagaaaa tgagacccca aaggagtntg cctntaaatc aaatttgcca accaattatg 360
tagatattac tcattctagg actaatgatg atggtaaaga agttgccagt gttatggcaa 420
tgaaaatttc agaaaggagg aggtggatga tcttctagat gtatatgaac acctgnctat 480
atctgcatgt atatgttttg acctgccagt ggtttgcaat gttgatatgt gttccaagaa 540
tantnctgtc tacnaaactg gaaggcccat gtcnaaattg gtcctttatt gggngggttt 600
tatnggcacc gtgggaacaa ttttcttanc taaacctacc aaaagggtct tctttggatg 660
gaacaatttt tantttatta ttttacctna ancctttttt nnnnnaaaaa aaaannnnnn 720
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn naaaaantct tgggggggggg 780
ggnttttttaa aaaaaaaaan 800

<210> 2489
<211> 1043
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1043)
<223> n = A,T,C or G

<400> 2489
cnancnatac cnctttтcga nnccgagncc ggcganaaan ngaatggcct ntntgttcag 60
nanggatccn cctccngctg nttgnttcat gtttttgttc ctggnccaac gctttnccat 120
ntgtngnatc ntaatccgga attanttggc tttttggggt tntttaattt tttgaaaggg 180
agnttccctt tgtngcccag gctngaatng nattngngcc aacccaacct cgttgaaanc 240
ttctgcttcc aaggacaagg gaaaatcctc caaccttaag cctttccacg tancctgggg 300
antaccaagg caatgcaccc acaaggcatt gcanccaacc cncccсaacc taaatttttt 360

tggtattttt tnggtaanaa naacaagggn gtgggcaatt aaatnnttng nccccaagcc 420
tttgggtnnt tttggnaaat ggccccttgg aagccttcaa aaanccaaat ttttaaattt 480
tngccccctt tngggccccc ttcccccnaa aaaagnggcc tttgggggga aattaaacca 540
angggcccat tggnaaancc caaccccaac cggggcccca agcccccttt tccttnaaat 600
ttntgggatt tttttttttt nnaataaaag gggaaaangc cctaatcctc cntttctttt 660
ccccctttcc cccnaanntt angggggnna tttccntttt ttcccccttt tccgnccaac 720
ntttggctcc aatgttacnt nggaatttcc cttcaaactt tcatttaatn gaaattccca 780
ttttgggnaa acccaattgg aaaaaaangg ccaaccttcc anaaaaagcc ttaaataaaa 840
gaaaattggt tttgggnggg aaatatcctt cctaaaaanc ttattcttgg aaatanattt 900
tccctttaa aatttgggga aaaccctctt tttngggaga ccttttgaaa aacnttggga 960
aaaaaaaccc ccangggaag tttgtatttt nggaaaaaaa aanaanaact tnganccttt 1020
ggtaaaanaa aaaccaaggg ann 1043

<210> 2490
<211> 1196
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1196)
<223> n = A,T,C or G

<400> 2490
cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnannnan nnnnnnnnnn nnnnnnnnnn 60
nnnnnnnnnn nnnnnnnngc nnnnngnnnn aannnnnnnc nnangcnnna cnnnnncgan 120
ngnngnagnn nncnngnnng nngngnnngg nacnnnnnna nnnnncnngn nnccncnngg 180
nnnnnancnn ncnnngcnnn nacnnnnnnn nnnnnnnnnn nncnnnngnt cngatccggg 240
aaaacccttn gcgcgcaagn ccnncgcggg ggcggaagng nagcccaccn cgccacgcna 300
cggggnangg ggggggccgc ccgccccnnn ggnccgttgg acgggcccgg ccacccgggg 360
ccggggacnn gacccggnng cannaggcga cccannnccg ggccagcgaa ngnggccnga 420
nggcaacccg ngccagggan ggnaccncng gnaggnnggn ngancanaac gggangggng 480
gccgcccggg nnggccagga aagcaagggc cnngnacnac nnggcccccn ggaaacccng 540
ngccannaag gcggannnga ngnagagaan ccnaaaccgg ccccncagca agnnaaaaan 600
ngacgnnggg accanccanc ngccgggaca ccgggggggaa aaacnncnga aggagnnggg 660
ggnaancggg ccacnaangn nccaaggcng gggnnanaan cgacccggcc ccaaaggggg 720
cccaaagggg gnaccaggnc cgnncngngg ggccncccccc nggggncnng ggaannacca 780
gggccccggg ncccaanggg gggcccgggg cgaaccccccc cccccnagcg gggggggggg 840
acanacngcc ccccgggggg gggggggccca gggaggagan ccccccccggg gggaannnnc 900
cccncaaggg gggggccnan aaaggggggcc ngnggggggg gcccgcccgn nccaannnac 960
gcgccaccaa ggacnacgga gggggggggcc nacgccnggg gganangngg ncgnnaaacc 1020
cacggggaag ccccacnngg gccgnggccn gaaaaagacc ccccccaanc ccccngaaag 1080
aancaggggg nnggacnnaa nntnccnnag gggggggncn ncacccnggn gannnccaac 1140
gaaccgggcg gaaanaaaaa aaggnggacg gangnanccc ccagcccccc cgggcg 1196

<210> 2491
<211> 855
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(855)
<223> n = A,T,C or G

<400> 2491
naaaannaag ccctttgaaa actncgttgg aaaaccacca agggtttagt ccactctgcc 60
cccaaatcct gagtctgctg anntnncncc nttccttcgg ggtgggttna ggangtgncc 120

ctggctggtn gggagggtga ncctctgaaa taagggtggg gagtcatnca gggnggcctg 180
ggcccntggg gggggggtta aacctcaaaa aaaggggagg gaaggcttgg gcactgcctg 240
aaccatttcc tctacagcca gacccaccag gtggcggacc catcatccca nctctgcant 300
ataatgggat tgcatcataa tcaagccctg aaaataactg ggaccacctg cttccccctt 360
cttgataaac aacacatgtg aatgcaacct gtcagtcgtt ggaaagttgc ngcatggaaa 420
ggcaattncc aaatgacttt ttaaaaagta tgagaaattt gcctggcttg aaccgttttt 480
ttaaattaat gcccggggag gtttaaccat ttaataacct atttcattaa cctttaattn 540
gaagcctngg gccttttgaa ngggnggggn ttttaaaggg aaaaacaatt tttgggggna 600
ttctntnttg ggccaanggg ggaaccaaaa aatngtttgt aanccctggg gnccccgggt 660
ccnggccaaa cnttttttt accaaaaacc cctaaanggg acccttttcaa nggggttncc 720
cgggtttggc cnccatttaa aaggnacccc gggggggaang ggacnaaaaa acctttttt 780
tngccnaaaa aanggggngn gggggggcctt tttttatata aanccatttt gnggggganac 840
cnatttttc ccccg 855

<210> 2492
<211> 673
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(673)
<223> n = A,T,C or G

<400> 2492
ttaaacttta cancnttcgt gtccgtggaa ntctgggtgt tnggcccgcc nttcgntggn 60
ctcncncntt ngcnganccct ttttncgcnc ttnccngana aaaaaaaagg nnggccnann 120
ccgacctttt ttcnngccag nnngnttttn gggggnccnn taaangncnt ggntnaaggc 180
caaggncccn ttgggncctn ggnnancaan ncccgtgaag gatnttcggg gnagntcatt 240
ngancngang gccacctnaa ctnnccgatg tgcaacatca caagcacntt cnaaaatngc 300
ccgatggcac aanttgagca aggtntcctt ccgggcaccn aaatccgctt tttgaatttg 360
cctgactgct gaaaaacccc cctgttaaaa gcatgaaaat aanaccaaag ctcagggctg 420
gccgaggaaa cttgcattct caggccaatg gcccaaaaga aaagacgtgg atgggacgtg 480
gaaacatttt caaagcgaga tatttctagt tgacagaact tgtcttttct taggtattga 540
gtcttgagng gtgcttggct attntaggat nttgctcttt cttaacaggg aatgttacta 600
ataattgggg nttttgtcna aaccnnagaa gagagctntn gaaatnnggn ccnacatcta 660
ccntnttnnc can 673

<210> 2493
<211> 837
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(837)
<223> n = A,T,C or G

<400> 2493
cgaactcttt agacctnncg aatccgtgct ggcgccagac actggntnac ccagagcttc 60
cgcangcann accnnatggg tttttnncct tttngtaaaa aatccaaaag aagaatttn 120
gantaaaaaa ancaaantcc tgtttttgng cctggaacca cnttgnccag gcangttata 180
aancagggtn ganctgggtt agccccaccc agnancgnag gnnggcctca ttggngaccc 240
tcctagccca gcntaaaagg gcatcaccct gcgngtgctc acaaagnaat atggaatttt 300
cccttgcggg gccttcaatt gtggnatnna aagaaccctc tcttgtgatc ctgtgtcctg 360
ggtgctctgt tggcctcctt cntgccaccc gaaggaanaa catggaggct tagagaangg 420
gctcactgaa caancgaaaa tgnttgggaa cnccaaagga gctnccaaac acaaaggagc 480
catgaatggg gcctaggctc ttccccnagg gctggggtgg cctcaaccgt cttgttgggc 540

aaaaatcctg cttcccttga cacancgggg gcttaanaaa ccaanccctg nggtcacaca 600
ccctggtgga attaacaatg cctggctgga cccctcactg ggagaaaagg gctacaccgt 660
tttgtggaac caaaagccaa aaaaaaggtg ttttatttng gaaaaccaaa atccaaanct 720
gnncatttta ccttttaatt aanaaaattc ntttngggaa tttggctnat gccctataaa 780
tccccaccac cttttgggaa ggctgaaggt ggggaaaaaa anaccccgan cccaant 837

<210> 2494
<211> 744
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(744)
<223> n = A,T,C or G

<400> 2494
tacccttcac ntactcagcg ggaagatagg caatgccatt tttttcagat gtacacntgc 60
cacacaccta aacataggtt taaattatga agaaatttag aatagaggtt tattagattt 120
agggaacact aagaacaaaa aaggaaggag tgatacctgc ctgagtggac agctgtaaat 180
cagctgtaat tactgcagtt gtaccaatag ttgtgagtgg ctccagtcac tttaggagtc 240
cttggaagta cttggtacac atttgttggc tgtaccttaa aggaagtggc aagtccagtt 300
tgttctctct accacactag actgccactg acaagtttgg gtctgttgga ttcaaaattt 360
tgtaagccat tttcacaagt acaaagatac attttaacct tgtcttctcc aaaattactg 420
agtaggaatt ttatttttat ctttttgaga cggggtatca ctgtcaccca gactggagtg 480
cagtggtggg atcttggctt actgtgacct ctgcctccgg gttcaagtgg tcctccctcc 540
tcagtctcct gagtggctgg ggcggcangc gcgtgccacc atgcccagct ggtttggtct 600
atttttctgt ananacnggg ttttgccatg ttgccgggct tggctcanac tcctggctca 660
ngcgancatt tcgncttcgn ctcccaaggn gctgaaatta tangtgtgaa ccccagcatc 720
tggccanant gagganaaat aatg 744

<210> 2495
<211> 1593
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1593)
<223> n = A,T,C or G

<400> 2495
ngnngnnnng nnngngnngn nngnnnnngn nnngnnnnnn nnnnnnnggn gnnnggngnn 60
nnnnggggnn nnggngnggg nggnggnggn ggnnnnnngn nnnnnnnnnn nnnnnnnnnn 120
nnatnaannt aaacncttgg gaaancccnn nnnntgnnnn nnnaaggngg ggnggntggg 180
naagngaggn ggngnngngn gnnngttnna ntnttttntt ntcngnnnnn cnggnggggg 240
ggnnnnggggg ggggggggtgg nggnggngng ngtnganntt tttttngnng ncgnggnngn 300
nnngnggggg agngggggnn gngagngggn cggngnngan gnggggggggg gnnggnnnnn 360
nggnagnggg gggngngang nggggnangn ngggnnggnn gggnggggngn nggnnggnng 420
annggggggga nanncngggg angngggggn gnnggnnngg aaaggagaan ngggnggngg 480
gnnnnnggggg ggggntgggg gnnaagggaa ngnnnnggna ngggnngngg gngngnggnn 540
gggngggggg ggngnnngcg nnngannnng tgggggnggg gnntgngngn gcnggngnna 600
gcnannnngg gnnnggggngg angggnangg nggananggg naanngcggg ggnngagngg 660
gnngggnnan ggtnnggggn nngggnagag gngcgnaann gggangggggg gggangggggg 720
gaaggggang ngnggnncnc ngngngggnn ggggggangg nnngnnnggg gggggggggcg 780
nngnngnnnt nggnnggggnn gggggggngn ncnngnngng nnanngnnng nnanggggggg 840
gagngggggn ggngnnggng nggngnncgn nggcnngnng gggggggggn nnaagncnna 900
ngttgggggg nnnnnngngn ggnnggggngg gggcnnnnng nnnanggang aggngnnnga 960

ngcnnnggggn ngnnggggag gggggggang acncctgnng gggggggggg ggggggggag 1020
tnngagggnn gancgngnng annnncggnn tnaaggnnng ggggnngaag angnnnnnnn 1080
nangnggggg ggggnggngg ggggggggtgg cggnnnggggg gagggtgggg ggcncaangg 1140
ggnggnnnnn cgggggggggg nanangggggg gggggggnng ngggganaana gnaaagggna 1200
ngggggggggt natgggggggg nacgcggngg gnggggnggggg gnnnggaana gggggggggg 1260
gggggggggng ggggtnggggg gtnnnnccgg gggggggggn gaagngngng nggnaagggg 1320
gnggganngg gnnagggnaa ngangncngn gnggggaggg gaaanggngg ggggngggggg 1380
anngnnnggg nngnnnnnngg gcnggggggg ngcanganna gggggggnggg tgggggangn 1440
nggggggngng ggncgtaggg gggggggaga agnggggggc anngntcgcg nncggngggg 1500
gntanaannn gangggggngn gtgtggggng ggggcnntgg gggannnagg ggnaggggna 1560
cgggggggngn aagnnnnggg nngctagggg cgg 1593

<210> 2496
<211> 730
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(730)
<223> n = A,T,C or G

<400> 2496
tattgaccnc tttcgattcc gtgctgtcgc aaactttctt ttgtttcacc agtgggaagg 60
aaaaaataaa tgtgaaccaa agcaactccc tacntttagc tcantggggt ggntccnttc 120
cttnttgncn gggtcttggc cctttggttg ncggccnagg aaactattgg tgatcccacc 180
tttgggctna gatgtgatgg gangngggat gtangggccc aaggagaaan ggttgcagcc 240
agcggtcaag cttggaacaa anacctncan gcgggtccct ggtgttctgg gcagtcacgc 300
ccaactgcca accgctttgc ttgcactttc actggggtta aaagaanatt cttcccttcc 360
aagaatccca aaaacccgct ctctgccagg gggactttgg aattccacac ggatcaagaa 420
caaggacacc tttgcctggg aacaatttgg atgggagctc tcctnctcgt gtccactgga 480
aagacattta ggaatcaaat tcaaggaaga aagaccccga aaangggant tgggaatggg 540
tgtgtgtgag ancatatgtt ggttttgtgt gtgtgtgtgt gtgcntgcct gtgtattttc 600
acttatatan aaaaatattg ntttttttaac aaacatntat ccaatttntt gtntaaaaaa 660
atatcccttc gcgngttcta tcaaannnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 720
nnnnnnnntt 730

<210> 2497
<211> 754
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(754)
<223> n = A,T,C or G

<400> 2497
tnanttaccc cttttcgaat ccgttgctgt cgcagaacca gccacaggtt tcatcgacgg 60
tgacttgatt gagagtttcc tggatattag ncgccccaag atgcaggagg tggtggcaaa 120
cctacagtat gacgatggca gcggtatgaa gcgagaggcc actgcagacg acctcatcaa 180
ggttgtggag gagctaactc ggatccatta gccaagggca gggggcccct ttgctgaccc 240
tccccaaagg ctttgccctg ctgccctccc cctcctctcc accatcgtct tcttggccat 300
gggaggcctt tccctaagcc agctgccccc agagccacag ttcccctatg tggaagtggg 360
gcgggcttca tagagacttg ggaatgagct gaaggtgaaa cattttctcc ctggattttt 420
accagtctca catgattcca gccatcacct tagaccacca agccttgatt ggtgttgcca 480
gttgtcctcc ttccggggaa ggattttgca gttctttggc tgaaaggaag ctgtgcgtgt 540
gtgtgtgtgt atgtgtgtgt gtgtatgtgt atctcacact catgcattgg cctcttttta 600

tttaaattgg cagtgtaggg agttgtgggt agtggggaaa naaggttaag aaggtttcat 660
tgtctgtgaa gtganaacct ncntttactt ttcntttatt gcctctgaaa acattaaggc 720
ctaaaggcct gactgncnaa ccatgggtag cccn 754

<210> 2498
<211> 752
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(752)
<223> n = A,T,C or G

<400> 2498
tgtntgacnc ctttcgaatt ccgttgctgt cgcacacagc ccctctgcaa aggttgggaa 60
acttgcaagg aatttaagga aatctctgtt nagtcattag ccagccacta aactaactga 120
gcagatcctt cagtgatcac acacaacaaa gaatacagac tttacagact tagtcctaga 180
aaatcactac acaaacagca caacaatgca cctgggacta agggagagga gatgagttcc 240
agagttggta tattatttaa atgtctagtt ttcaataaaa acaattataa gacacagagc 300
aaaactagaa agtatggccc atacccaggg aaaaacaagc aaccaataga agctgtcctt 360
gaggaagtta atatcttgga cttactagaa aatgacttta acactagtta ttataaatat 420
gttcaaaaaa ctaaaagagg ccaggtgcgg aggctcacgc ctataatccc agcactttgg 480
gaggctgaag caggtgggtc acctgaggtc aggagtttga gaccagcctg accaatatgg 540
caaaacccta tctctactaa taatacaaaa attagccagg cgttgtggcg cacacctgta 600
atcccagcta cttgggangc ttgaagcagg agaactgctt tgaaactggg angaagaagt 660
tgcagtaagc tganatcacc cactgtcttc acctgggcca caagagtgna acttcatctt 720
ccaaaaaaaa aaaaaaancc cttnatttnc ct 752

<210> 2499
<211> 759
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(759)
<223> n = A,T,C or G

<400> 2499
ttntttgacc cctttcgant ccgttgctgt cgatgctccc aggtctccag tgtcacctct 60
cggtacagtg tcctctgggc caggtccagc tgttcccact cctcctgtgt gaatgccata 120
gccacatcct cgaagcacac agatgcctga aacagggcac ttgttactgc tcagagaccc 180
caggtcctca tgccctcacg gaggtacctg ttaaggccta aatgttggtg tccccccgta 240
aaattcatac attggaacct aatacccagt gagatagtgt taagaggtgg ggtctttaca 300
aggcaattaa tgtcctcata aaagaggctt gagggagcct gtgttcacct tctaccatat 360
gaggacatgt aagaggtgcc atctatgaga cagcaggccc caaccagacc aactctgttg 420
acacattgat cttggactta ccagcctcca gaactatgag cagtcaattc tgttgtttgt 480
aaattgctca ctctaaggta tcttattata gcaacccaaa cggactggga cagctccatg 540
tatgtggtct gtaccattcc ttttcttggg catctcacct cttgccagtc acagcaagtg 600
gtcctgattt ctagactgga aatgacagga acttcactag gagatcctta ccccttttctt 660
ttttacaaaa atcacaagat tcgaaatgag gtaagaaaga aacttttaaa tcnggggtgg 720
gaaaactgca gcctgtagga caaatcaggg cttgnggggg 759

<210> 2500
<211> 773
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(773)
<223> n = A,T,C or G

<400> 2500
ttattttaac nccttтcgan tccgttgctg tcgcttgacg cttggcctgg ctttttttgt 60
ggagatgggg tcttgccgtg ttgcccaggc tggtctcaaa ctcctatgct caggcgatcc 120
accctcctcg gcctcccata gtgctagggt tataggcaag agccactata cccagactgg 180
attagatttc ttcacatgac atccgtagag tgcctgtgtg tatgctctgt ggatgtaaaa 240
tgaacaggca agagtacaga agtagaatct ctagccatgc agtcagacag atggctccaa 300
aattagttac ttggttatgg agacgatcaa gttacttgac tttgagcctc agttatgtgc 360
caaatgagga tactaatagt atctatctca aatgcatata tgggtgttca ctgtctctgg 420
gagacatttt ccaaagaaac caagactaac ttgttaaggg aatagatttc tctcactgat 480
acaggatgtg ctctaactgg ccccacgata ctgcattgaa ttacaagtgt ttcctaagta 540
tctgtggggg atcanttcaa nacctctctt gaataccaaa attgaggaag tcaagtncct 600
gatttaaaat ggcaatagta tttgcatnta atctantngc antcctgtat taattttggc 660
attctctana attccttgta ataccctaat acaaangtaa atngnttggt nagtagttan 720
tnctgntatt tcangggatt aatgaccaaa aaaaaanaaa tntctataca ttt 773

<210> 2501
<211> 1156
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1156)
<223> n = A,T,C or G

<400> 2501
gnnnngnnnn nnnnnnannn nnnnnnnnna ngggannnnn nnnnngnnnn nnnnnnnnnn 60
nnnnnngnnn nnngannnnn nnngannann nnngnnanng nngannanan ncnnnnngnn 120
nnnngnnnnn gnnnnnnnng nnnnnnnnnn nnnnnnnnnn ncaaaaanga aaaccctttt 180
ngnnaaancc cncnngcngg gncggcangn aacacccngg nccnagcana agccccaccg 240
gnggcaggga agncacctgt ctcccttcag caacagcncn gcacnnnacc gnnggangcg 300
cnccnnncag gacnanggtc agcagacnnc naagacgggc cccaaagaag gccaccnggn 360
anncaagngc accgngnanc accnccncnn gaangagcng gccnagngac gncnaagngc 420
acaagaaacg gnggggaaag gggacgggga naacaannnc cagaaanaag ggnanaaaag 480
acacngnggg cngggngcgg ggggcncacg ccnggaaacc cagcaccang ggaggcngag 540
gcggggnaga cacccngnac ggcagggagg ncgagaccag gcccggncan gaagggggga 600
aaaccccccgc cncnacnana aaanagnaaa aaannagccn gggccanggg gggcanggag 660
ccnggnaaac ccagncnacc nagggggaggg cnggagggca gggagaaaac cgccnggaac 720
ccgggggaag gncgggaggg gnnggcagcc gaagccaaga ngaaaccacn gcccaancgg 780
caacanccca agccccgggg gggggggacc aaaggaaggc gggaggaacc nnnggggggcn 840
nccaaaaaan aaaaaaaaaa annnggggggg aaaaaaaaaa annaangccc gggggggcca 900
aaggggggggg ggggccaagg ggangccccg ggggaaaaaa acccccaang cnaaccnngg 960
gggggganggg gccngggaan gggccagggg gnaaaaaaaa accggggcan ggggaaaacc 1020
cnggggggaaa ggggccggna naggganngg gcaaaaccgn gagcccgaaa ggaaannncac 1080
cgcccccanac gggnaacccn cccaaagccc gggggggggg gggacaaagg gangcggagg 1140
gaaannnggg ggcccc 1156

<210> 2502
<211> 796
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (1)...(796)
<223> n = A,T,C or G

<400> 2502
ntttgacgcn ttcgcggntg ccggagctgg cggnaagact ataatatgac tttgtgcatg 60
cccgggaggg ctgccttgta gagaggatgt gagcagctta gtcgctcatc tggccctgtg 120
attcaggctt atggagcgtt aagaataaca gctgtcaaat ggcctagaca tggttaatgc 180
aatttgttgc tagtggaaat cctgaattgc ttccttttctg tgatcactgc tacttcttaa 240
gatgcttttg atgaatgtca tctgccttac aagttgacac ctgataactt ctccctgatg 300
ggtttccgaa ctggctgact taaccaaaaa gccagctctt gccatctatc ttgcattaaa 360
aggaattcct gagctcctaa ggggtcagct gccccactcc tgacttttt attttaatg 420
gtctatacct tctgcaacat ttttgtttat ggccattttg aatagttggg actttgactc 480
ctcacttgtg aataatagga atatattttt gcagaatcta acataatacc cttaaaattc 540
atactggaca accatcaagt gtgatgtata agtatctggt gtaaacaaat tttattcagc 600
atattaaatt attctgtggt tttgcttttn cttgataatg taggaaggtg caccaagtac 660
ccaggttttt tcttctttgg tgggtgggct ttaaaaccgc ctggaattgg ccatttttgg 720
catttggtct tacttgaaaa anncttgtgg gcaagcngan tngggtantt attngaccca 780
tggttgtttc ttcatn 796

<210> 2503
<211> 723
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(723)
<223> n = A,T,C or G

<400> 2503
tgtttnaanc ccttncnaat ccgtgctgtc gataaaataa tgcatgtaag gccctcagca 60
tagtgcctgg cacagaatta ctgctcaaat gttagctgtc gtattaatat tgtcactttt 120
gcacactgat gtacatttcc tgttgaccag gctcattctt taagcattct ccatgcttaa 180
accagttcca taatccctag gcctgtactc cagggattga gactgaaagg atcatttatg 240
ccatgtttct ctaaaagcat cattgctgga agacttttga taagtctgat gtgtctcaag 300
ctattctcag gccttttttg tagagtttag aaatgaagta tttgaatcaa tttagtatct 360
cctttactat gtttctcctt ttaatctcag ccaacccccc acctgcaggt aaacccagca 420
ttcattaaga gctgggttgg ggtactctat tctgtatgca tcataatagc ttaacattat 480
ttagtagctg taacttacan gtttaatgct agatgangat gtctcaagcc gtgagtgtgc 540
ttgtgtaaaa tggtggcacc atcatctcgt tggaggaatt ttacttgaat ggtattttgg 600
gaaaatgtac anattcttnt gataaagaaa taaatgggtt gtgtnaaaaa aaannnnnnn 660
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnaaaaa ttcnncnccc 720
nnn 723

<210> 2504
<211> 843
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(843)
<223> n = A,T,C or G

<400> 2504
ttatnttaan ccctttcga attccgttgc tgtccgagca aataccaagg cctaaaaaag 60
aatgaattat ttgctgtttg ggaaatggaa gccnnngctg agtgctgaag cacagggact 120

ctgcgcagga agaggagggg aagcaagaaa tgaatttggg tccttgtgat ggcagtggct 180
gctgccatca cgctgtgtgg ctagggctgc acacttcatg gagccggtgg aagccccgtc 240
cctcatgagt tgggactgga gccgcaaacc gctgctgcag acccaggcct tctgctctat 300
ggagcaggca ggagccccac cctcttgggc agggctacag ccacccaaac tgcagctgtg 360
gatccgagcc tctctgctcc tgggggagcc gggaacaggc agaatttgcc cttccagatg 420
cagctgcagc ccgcgcaggc agganccagg gacaaagtgg gagcccttgc ctntttccaa 480
agttggcggg gtggggagct cccaagtgca gcttgtggct tgccccccca ngcacaagga 540
acganggcat tttttgcaac cctgcaccca tcgggccatt cccaaggaaa ggacaagccc 600
ccctttaac ccttccattc ccttgcaagg tttcaanggg gtggttttgg ttttccaact 660
tgncttgggc ctttttttttc aaattncnaa caaanttggt tttgattttt gggaaggggg 720
anatncngga ancccaaaaa acctttgaan cccattaaaa tggccancca gggaaggnaa 780
angggggggtg ggggttnccc caattaaagg gccccccccc tttaaggccc angggaangg 840
cct 843

<210> 2505
<211> 1448
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1448)
<223> n = A,T,C or G

<400> 2505
nacnnngnnn ngnnnnnnga nnggnnnnng gnnnngnngn ngnnnnnnnn nnnngtggga 60
angngannnn annngnannn gtgngnanng gggnngntnn gnnnnnnagn gnggganggnn 120
nggnnnggnn ggnganngna aggngngggn gggncnntnn nnnnannnnn annnnnnnnn 180
nnnnnnnnng nttntgattn ntanaaccct ttgggaaaan tcccnnnnnn nnannaannn 240
ngggggggnn gnggggngngg nngntgagtg gngaggnggg aaggggggggg gnttttttnnn 300
ttttttttcnn gngnnggnag nagnnagggg nntgggggggg aggtacngng ngncgnnntt 360
ngccntnntg ngngagggcn gngngggnan ggagngngga ngggnggcnn gacngggggg 420
ngggncggcn gggnganntg ngagannnng gggcgaggag tgagnntgcc gcggannggg 480
aagcgggtng nggacgaagt ngggangagg agcagaggan nnnnggggng ggngnggga 540
cgnggnangn ggagggcggg gnnnangngn ngcgacgggg angggcgggg nnangaanta 600
gggggngngn nggngctgag gtgngatnnn gntgncncgt ntangnngga nggnanangg 660
ngagganggn nggangannc gannngngngn anagngangg angananggg agggagngnn 720
gngnagcgan anantngncg ngggnnntan ggnngcgnng ngngnngnng nganntgagt 780
nagagnggnt gngnnggann tggggngcgg ggnnggangg ggaggnanag gatacgnatg 840
cngcnngtgg angnnancga ngnacgangg ggngngtngg ggggnggggac gcggcangga 900
gggtacggct nngcgagnat ntggtnnggg nncgcnacgg cagatgcggn naagnanggg 960
acngatgntn gtgnnnnggg cgnnggnngc gaacnnggcn gngannnnng ggnggaagna 1020
gggtnnanga ntcgngtgat gagngcggct gagnngaggn nntgnagngc gngncaggga 1080
nnngatgacg tnggggnnga gacgangncg ctcggcngag cncngcggcn ngtntgntgt 1140
ngggnggaan ggcgngagcn nggagngngt gnggngtang ngaggagnga gngtgnntan 1200
ggcgnntnng anngcgnagn gnangntngn gcanggaggn gcgccgagnt gcganggagn 1260
gngangnngg aggaanngtg gagaggcgng nngngcggag cgggagnnac cgnngcggcg 1320
ggagggcggg cgnggtnaag anggtcgcga gaggtacggn gggngggngg ngntgaaggt 1380
gnggaggngn ggnagngcan annncgcggg nnncgngaga ggggncgcgt ngngcgtgag 1440
gggnaacg 1448

<210> 2506
<211> 673
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(673)
<223> n = A,T,C or G

<400> 2506
tagctttaaa ccntntcgan tccgtgctgt cgggcgatgg gctcttagta tcggaggatt 60
ggagccatcn gattnttacc tgaaattcct tagtctctcc tgtgttgggg aaatggtaag 120
taagacagat tttcccaaca gagagcgtnt ctatctcttc tctactcctc ccttttaaaa 180
tngagattct gacagtgtaa aggagttagg acccccctttt ggggatcggg catggttttg 240
tggctttaaa atgctttaaa attgctgaag tttcttggtt tggaactgna ntctcctaag 300
taacattnta tcatcgcacg tgaaatactg taactctcgg tgccaaatcc aggaaaaatg 360
ggcggttagg agaagtccag ggaaagccga ctgagcangt tgtganggta ancaccctgt 420
taaatgncac aaaaatgtca ctntgcttct ctaactagga aaactgnagg acttttgaat 480
aagggnngat attagattta aaaattanat agncatccct ccaaaaccnt tgntgttact 540
ggngagtgca gactgtataa tattagaata gatgcgcgcg cggtactagc tgagtnaaca 600
ncagcacatg caacctnttc taaatcaaat actgagnggc tactngntca cctcgangga 660
gggatatctg acn 673

<210> 2507
<211> 772
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(772)
<223> n = A,T,C or G

<400> 2507
nataaccttt naacctncnn antccttgct gtcgcccaga gactggctcc cagtgagcta 60
agcccagccc gcgacccttg gatgttncca gctgatttaa tactcatgat aaacccagta 120
ggtcagtgcc agtattatga gagaagtgga ggcacagaat gtcacatcca cctccccaaa 180
gtcaacagct aggagtgaca gagccaggat tctgccaggc aggttggcct cagaggccac 240
acttcttatc ccaataataa aagtgaacaa gaacaggatg aagttagagt gagagagcga 300
gagtggtaac actcatgcaa tcagagaaca agagaaagct caatggaaac atgtattcac 360
tgacaggatt aaaacacaaa acaacaaaaa gagagacggc cgggcgcggt ggctcacgcc 420
tgtggtccca gcgctttggg aggccaaggc aggcagatcc cctgagctca ngagtttgag 480
accagcctgg gcaacatggt gaaaccctga ctctactaga gatacaaaga ttagctgggc 540
atggtggggc atgctttgta ctcnggaagc tnaagtggga aggatcgctt tgggaccccc 600
ggangcaaaa gntgcanttg agttcaaaat cgcaccactg gacttntaac ctnggtgata 660
gaatgagaat cctttntttn nnaaaaaann nnnnnnnnnn nnnnnnnnna aaaaaatttc 720
nngnggccnt ttttttnnnn tccccaantt taaaaaactt ttntngtttg nc 772

<210> 2508
<211> 758
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(758)
<223> n = A,T,C or G

<400> 2508
tnnnctttan acccngtgct gcgggaagat aggcantgcc ntnttttcag atgtacacnt 60
ccacccccccc aatangaatg gtttttanta atncnttttc ccttnttttnc anggcttntc 120
ntgncngtan ctattcttta antantagga gggggggaggg tantttagg anttnctncc 180
nccancagaa antaatggct ggtggnttnc ccnttaaaag ggtccagtag tatcattgtc 240
tgttggacat atagatcagt tttttcttct aaatgctatt caactctcta ttattaacat 300

atatatgtat gtgtatatat atgtatgngg tgtatatttt attagaaaaa ataatctatt 360
attcaactag ataaaataag aggtaagaga taacatagta gaactcaatt atctactaaa 420
taaatattac tcccattctc tgtggaacac ccaacaatat tctcttcagg gaagtgacac 480
tgactattgt agaaagaaca agttaatgtg aaaaataatg tttcaaggcc ttattatttt 540
attttcttaa agagtaatca tagaggggga agcataatac ttcattacca tgtctgtaga 600
ngaatggaag agcctnttat gccaataaga aatacaaggc attnctttgg accnttagtc 660
atncttcaaa agaagtggga atgtgtctca agntctggtt ttatgaagaa atcaccattt 720
ttgaaaaatn tggggatgna aaaatgcccc cntaaaan 758

<210> 2509
<211> 1581
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1581)
<223> n = A,T,C or G

<400> 2509
cgttnnannn nnntngaaaa acccccccntt tttgggggna aaaaannccc cccccncnnn 60
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnggnnn gnnnnnnnnn nnnnnnnnnn nnnnnnnnnt tttttnnnnn 180
nnnnttttttt ttttttttttt tttnnngnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
nnnnnnnnng gggnnnnnnn gnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300
ttttttttttt nnnnnnnnnn ngnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnng nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnngnn nnnnnnnnnn nnnnnnnnnn 480
nnnnnnnnnn nnnnnnngnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnng nnnnnnnnnn 540
nnnnnnnnnn nnnnnnnnnn nnnngnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnng 600
nnnnnnnnng nngnnnnnnn nnnnnnnnnn nnngnnnnnn nnnnnnnnnn ngnnnnnnnn 660
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 720
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 780
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nngnnnnnnn nnnnnnnnnn 840
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnngnnnn 900
nnnnnnnnnn nngnnnnnnn nnngnnnnnn nnnnnnnnnn ngnnnnnnnn nnnnnnnnnn 960
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nngnnngnnn 1020
nnnnnnnnnn nnnnnnnnnn nngnnnnnnn nnnnnnngnn nnnnnnnnnn nnnnnnnngn 1080
gngnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nngnnnnnnn nnnnnnnnnn 1140
nnngnngnnn nnnnnnnnnn nnnnnnnnnn gnnnnnnnnn nnnnnnnnnn gnnnnngnnn 1200
nnnnnnnnnn nnnnnnnnnn nnnnngnnnn nnnnnnnnnn nnnnnnngnn nnnnngnnnn 1260
nnnnnnnnnn nnnnngggnn nnnnnnnnnn nnnnngngnn nnngngnnnn nnnnnnnnnn 1320
nnnnnnnnnn nngnnnnngn nnngngnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnngn 1380
nnnnnnnnnn nnnngnnnnn nnnngnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 1440
nnnnnnngnn nnnnnnnnnn gnnnnnnnnn nnnnnnnnnn nnnnnnnngn nngngnnnnn 1500
nnnnnnnnnn nnnnnnnngn nnnnnnnnng nnnnnnnnnn nnngnnnnnn ngnnnnnnnn 1560
nnnnnnnnnn ngnnnnnccg n 1581

<210> 2510
<211> 786
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(786)
<223> n = A,T,C or G

<400> 2510

nntttacacc tngtgctgtc ggccagggga ggtcaaggct gcagtggact gagattgcac 60
cactgcactc cagcctggat aacagagtnn aatcttgtct ttaaaaaaaa aagnatgact 120
cancagatgg agganccctcc catttggtct ttcctttccg tttggtttgt cttccaaatc 180
tcctccagcc tgctgngtat tcctcagcaa ctcacttcaa gcaccaccct gatcctgtag 240
atgaaccctg cataactttc tccgtcaaca aacacctgag gatctgctgt gtccccagta 300
ctaggggtga ttataaaaca tatatgcagt ctctgcactc atgtttccca cagagaaagt 360
actcattcag caaagttttc taagtacctg taatgtgcaa ggcactgtgc cnagtctgaa 420
gtcatggaga ctgtcatggt cactgcccat agagcactta ccttatattg agggaggggg 480
cagaacttaa gctaataatt caatacttat ttgcttcata atcatnagct gctgngaggg 540
gaaaagtcac atgacaagtg acctagtgca gangatgtaa cctgggtcta anggggatna 600
ttanaaangn tttccttaac gggagtttcg aaaaccagcc tggggccaac acgggnngaa 660
acccccgttt ttnagttaaa ntccnaaaaa aaaaaaaaaa tttnccccgg gggggggggg 720
gnggnccccc tgnaattccc aantccncca agaagggtta aggcaaagan naaatttttt 780
caanct 786

<210> 2511
<211> 1526
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1526)
<223> n = A,T,C or G

<400> 2511

ccccccnccc cccccacaca cncacacgga ngnananngn aaangaaagn cannacnccn 60
annnnnacnn angcngaanc agcctcgaan ncngaganga aaganacaca gnccagagac 120
gtnagngnag aagngnnntt tacntttngc gacaccgcac acgcnngngn cgngggnaag 180
acncngcgca cnacncgnca tcnngcnaac gcacgngncg nagngnacgc ggnccgacga 240
cngngcnacg anggagcacg anngaangac ggaggacgnc ngangacnnn agannnnacg 300
nnggngccgc agcacnccnc caccngcnnc angaannacg gnaccgcacg acangacgcg 360
acgggnacac agcanacnng cggaacgcnc ngagaacgna acgncacnta cngacganna 420
cnagccaagc gacgangann acnngnangc ccancacgac aggggngncg cgaaaggnan 480
ancacaancn cgnaaganng ncccgaaacc aaaaacgcgc nnncggncgn ngacgcgagg 540
nanncacggc nnanggcgna ngcnnggaga cgagcganag ngnaaanaga acgngnaaaa 600
aannnacgcg cgngagcnan gcaacagacn gcggntaaan agncgncgcg cnngangcna 660
acggncgana ccgacnnanc agccgcnngc gacncagcac ngancccncc agggcctccg 720
cgaccganac anangnaaac gannangaga cgagacacat acancgccga gctacnccgc 780
ncanncgnac anagaggccn cangncncac acnagcngag atgccagcgc cgnagccnnn 840
gcttcgagga gagncgccgn acgnngcngn agagcaaggc acgnagacan angcgncgac 900
canagacgac gcgcatacga ngnanggagg nccgagggna ganggaaatn nangagcaac 960
ncgngcangg gcgagggacg caccggangg caaanagang angagnnacg ncncnanann 1020
cgnatnnncn natcncagan nancgcaccn ncgacanaca taggacnggn acnacngccc 1080
ngncncgagn ncacagagaa tgnacccagc gantagcang naaaaacctc aatgcaanac 1140
acgacacgcg acgtngcgcg cgaacaaacg cgcgacagnn cnacgaacga ganaggagag 1200
aanancacgc ganaccgnga gatgcggaac gcgcagagac gatcatacac gnncggaggn 1260
ctngcaacgt aaccgcacnc gangnnnncg gcanncgnnc nananannng ngcggntnna 1320
agnnncgnac gcnncngnga nccncggncg cgtagngacg cgnaatnann naangacncg 1380
caggancaan ganacgcanc acaancaanc agacgngagc ncgcannaga gcacaganac 1440
gnanngaggg nagaacaagg agcgacacgn agnganntaa nggacanaan acaangaacg 1500
tancgacgcn aggnnnaggn nnnccg 1526

<210> 2512
<211> 864
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(864)
<223> n = A,T,C or G

<400> 2512
ntantccttt cgaantccgt tgctgtcggc ccgctctctg taaagtgttt gcttgtgcca 60
aaagggaaat aagtggccgt gggagggtgg tggtggttnt ccntgggcan tccgggancc 120
gaaggccgaa ctggtccctg gcgtngggta agccccttcg gcccgggggа ngtgganggg 180
cccaccaacc caaangtcaa gtttcccttt cccaccctgg tggttttctt ggtttccggn 240
ttttttttt ccttttttt cctaatataa tatttttggg ngggaattct attttatttt 300
naattctctt tttctcctcc aaacacaatg gcactgctta tctccgaaat ggngtgatcg 360
tntcctcatt gagcaacggn tgccaccgcc ctgtgggtag tgtgtgaccg tggctgtact 420
gtatagtgaa catagttggc atatctttgt ttgaagtttg ttggtgactc cccaaactgg 480
tgtgaaaaaa gaaaaaagct caaaaaaatc cncaaaaaga caaaacncnc aaaaaaatcc 540
tgcctatatt ttactcagtt tcaaacttta ttaagtctat ttttaattat aaaacccaga 600
aagctacaat tttcttttnt ttcccctcca ccccccccсc acccatttgg tgggcttttt 660
tggtttttta aatggccana aactgttgga ggtngggttt tttttggggt ttggggnttt 720
tgggtttttg ggttttgggn ttttttaccc ngaaaaaaan gnaagggncc caaggggatt 780
aaanggnggg gaaacccggg ccccctnggg gggccncccc ncaaaactta aaggggcagn 840
aaaacttncc ccttaccctn gggg 864

<210> 2513
<211> 1484
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1484)
<223> n = A,T,C or G

<400> 2513
ccnncngcgn cnatgccanc nnagnaanan nncnatangg gncnnganaa ggaggncgcg 60
ggncgacggn nnnggcgngn canngnatnn nnnnnnnnag aatnaccgng ccttccaann 120
ccngctgnan aaagcaaccn nggngccccc annacnnggg nggngggggg ggggggnttt 180
ttccctttтn ancncacnnn nccngcgaag nggnnggggg ggangtanaa aggnacngac 240
aactatnggn ngcgattggt angaggaana gnngcnnnng gnncngggag nnnggcggcg 300
agagcngcgg naggnaggnc gcgcgnaagn gnggacgang nanggaaggn aggagggaag 360
gcacgnacgg gaggacgngc gngngngagg tacggaacgc nacgtggcgn ggcgncgcan 420
ngggatggnn tnggaaggna aagntangga anggananga agggatnnga tggagggngc 480
gngcaccgnn agagagangt cgnnnacgga aaagacncgt aacgagggac acgganaggn 540
gacngnnnnn nagggntcgg aaaggnaang aacgnncanc acgnnnacgn aanngaagcg 600
nagggaacgt gaagggacgg gcanggnagt nagnggaagg gagacggaga cgaangcacg 660
nacnngcgnn ggancggnag gntaacgtan cgcacgtana tggnngggan ggnaagtgta 720
ggnaaaggcn ggcgagtata ngagnggnna gggtgaggan cganaggtag gnaangatag 780
nacggcnggg nngngngncn nngangntat gacgcggngg aagngangca ncnaagncnn 840
gnnanggaan ganggagnga agggacngcg gcnagngcgg caaggnnnca cnaggngcgg 900
aggtacngna gngngantgc nacgnagtgt acggatgacn gnnnggangn agtggaaggn 960
aggnaggagg cnaggcngtg agagggaagc gagcacngng ggtnggaang gngcgganga 1020
aggctngcan ggangngagc gtaggcnggc aanggagggc cggacgcaag cgcangaatn 1080
gnngagganc ntgcgtgcca ctgngnngcg cgtangggag agngatgnac ggnagnaaan 1140
gtnngcaggg aanggnacng aatggncagc atggnatgaa angagcgnan ncgagngcag 1200
cannggnncg atgcgnncgg ancgacgaga nngagnctgc gnagcgnngn ncggnggagg 1260
ngnggnngga gagnagggaa ggnatgggng gaangnangg tacgacangn acggaggcac 1320
ggtgcgatag gacggntngg acngaacggt acgantgcag ggcgggtgng gacgnctgag 1380
cgaagggatc gcngtagncg angcacngac ancangcggg ggagngacgg ntnnantncg 1440
ngangcacgg gacgatngna ggaagganac gacgcgaggn cccg 1484

<210> 2514
<211> 768
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(768)
<223> n = A,T,C or G

<400> 2514
tctcnntcga ntccgtgctg tcggaaaatt gggactgagc tagagaaaga agggatctta 60
aaaccttgct agagaaagag acctgattcc atcttcaaga catttgaaac caaagacatt 120
tgaactggaa ctaaaaggtt caactcagat aaactcctag ttagattgaa gagatatatt 180
cttcactcta ctcttggcag gaaacaaagc actttctctg ggagaaaata ttttcttctt 240
tagtatcctt ttatattcaa tgtttagcaa aaataaaaat tttgagagac ttgaggagag 300
gaaaatggga tccgtaatca agagaaacaa tagtgtaaat aaactcatca ataacccaga 360
tgtttgaatt aacagacaaa aaaaaaactt atgttaaaga atttagaaga aaagatggtc 420
aaaactggta agaaggtagc aaatttcagc agagaaatgg aaactaaaaa actaaatgaa 480
aattctagaa caaaaagtct atgaagaatt aattggttgg acttattgga gtcaggtcag 540
taaaaataat atgcaaacag aagcncggaa gtagaatgag aaaagagcct cagagacctg 600
tggggcacat taaatggtct aacatgcctg tgactggaat ctcagganaa aanaaatggg 660
gccaaaacaa aatctggnnn nnnaaaannn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 720
nnnnnnnnnn nnnnnnnnnt natttngggg nggggttttt tttaaann 768

<210> 2515
<211> 759
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(759)
<223> n = A,T,C or G

<400> 2515
tctctncgcg ccaggatttt ccagtcaaaa gcatattcga gggactaaaa ggacatcaag 60
agggatactt cagtcaaatg ataatcagct atgaaaaaat accttcttac agaaaaagta 120
aatctcttac tccacatcaa agaattcata atacagagaa atcctatgtt tgtaaggaat 180
gtgggaaggc ttgcagtcat ggctcaaaac ttgttcaaca tgagagaact catacagctg 240
aaaaacactt tgaatgtaaa gaatgtggga agaattattt aagtgcctat caactcaatg 300
tgcatcagag atttcatact ggtgagaaac cctatgagtg taaggaatgt gggaagacct 360
ttagctgggg atcaagcctt gttaaacatg agagaattca cactggtgag aaaccctatg 420
aatgtaaaga atgtgggaag gcctttagtc gtggctatca ccttacccaa catcagaaaa 480
ttcatattgg tgtgaaatct tataaatgta aggaatgtgg gaaggccttt tttggggctc 540
aagccttgct aaacatgaga taattcatac aggtgagaaa ccttataaat gtaaagaatg 600
tgggaangcc ttcagtcgtg gctatcaact tactcagcat cagaaaatnc atacttggtn 660
agaaaccctt atgaatgtna aatattgttg gnaangcttt ttgtttgggg ctttcaacnt 720
tactcgacat cagatntttc attnctgggn gagaaancc 759

<210> 2516
<211> 746
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(746)

<223> n = A,T,C or G

<400> 2516
tgtannnagc ncttgggatg cnatgaaatt cagtataaaa ttgaatagaa gtaatgttaa 60
tggataatct tgtcttattc ctggtctcnt agaggaagtt tttaaatatt taatatgaaa 120
tacattgttt gattgggttt atttgcaaaa atcctttatc agatttatta agttcccttt 180
gttttttaat ttattatgtt ttttaaaaat catgaatagg cattgaattt atcacatatt 240
ttctgttatt gaatggataa tatggatttt tatcctttta ttaatagcat gcattatatt 300
ggntgatttg ttaatgataa accaatcttg cattcttgga ataaactcag gttgcttatg 360
atgtataatc cttctttata tcattagact tagtttccta acattttctt tacagttttt 420
aaatatatgt ttatgataga aacgccgttt ctacagaaaa aaataattat ttttaaaggc 480
ataagttatt gggtctagac ttagtacctg aatgatgaaa taatcggtcc acaaacccct 540
gtgacatgag tttgcgttat aacaaacctg cccatgtccc ctgaacttaa aaggtaagaa 600
gccacacacn cccncacaga tgccccaccc cacacacgcc caaagaaatt ggcttttaac 660
tttccattct tataagctct ancngagttg gcatcaaggc tatnctggct ttatatagaa 720
ggtaaanaag gggtactttn tttatt 746

<210> 2517
<211> 727
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(727)
<223> n = A,T,C or G

<400> 2517
ttactttncg antttcgttg ctgtcgcgca gaccatggca gcccgcccga cggttcgctc 60
ttcgacaacc ccaggacgtt ctccagacgt cccccagccc aggcgagtcg gcaagcaaag 120
gctacgaaaa gaaaatacca agcgtccagt gaggctcccc cagcgaaacg gaggaacgaa 180
acttcatttc tcccagccaa gaaaactagt gttaaagaaa ctcagaggac ttttaagggg 240
aacgcacaaa aaatgttttc tccaaagaag cattcggtta gcacaagtga tagaaaccag 300
gaggagagac agtgcattaa gacttcatca ctgtttaaaa acaaccctga cattccagaa 360
ctccacagac ctgtggtaaa gcaggtgcaa gaaaaagtgt ttacttcagc tgcttttcat 420
gagctgggcc tccacccaca tttaatttcc acaataaata ccggtcttaa aaatgtctag 480
tatgaccagt gttcagaagc aaagtattcc tgtgttgctg gaangcagan atgctctcgt 540
gagatcccag acnggctcag gtaaaactct tgcctattgc atcctgtggt ccagtccttc 600
aacatggatc aaaaatcang tttactgtat cacatttaca aganacagag cttaggaagt 660
aataccaagc ntgcccagta tggaggactg gttntnctag tctgttgntg anaacaactc 720
ttntttn 727

<210> 2518
<211> 1451
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1451)
<223> n = A,T,C or G

<400> 2518
acnancngcg gnngcgnggg cngnnnnnnn ngncnnancn anncncannc gcgncggcgg 60
agcggcacgn gggccgcang gccgngngng nnnnagcgac gccnagncgg aannacnnnn 120
nnnnnnnnnn nnggtcgcng nccgngnncc ccgnntcgaa nnncgngang acgggcgacg 180
ncgcctnggc ccccccgccc gcgagggggc gggggggggg tttttncagg ngncncgngg 240
ccnngngggg ngnnncgggg gangcgnggg angcnangnn gagcggggac ancagggnag 300

gcngagngcg gggcggacgn ggcnnccgnn gncgnncngg anncgnaggg gngnnngggga 360
caacncnccc cgnnggggnn ancnccgggg cgccgnnanc cacgnanncg ncagggnggg 420
cgccccgggg cnngngccng ngggnnggggg ncgcgnngng gagcgggcga angcgggncg 480
cccgnncggc nccgggcgag nncccnccgg gnnccccccgn gagagccgnc gccnancncg 540
nccgacgagc ggncgncggn angnacncgc gngcagnngn gacganaacc cngngcggcn 600
cncaggcggc gccgcggcnc ccgggcgang cgggngnngc ccggacnncg gcanggagcg 660
cgncgcncgg nannncnncn gacggggcgn cgcgccnggc gngnagcnan acncngngtn 720
ggcaangcgc gcgngngncc gcncaagang gcgcncagnn gngcgcgncg ganngcggcg 780
ngcagggacg gacgcgncag cncggcgacg cngtncnnca cccncggcgc ggggngcgcg 840
cacgngncta gaacgcacnc gngggacggg gngggngcgc cnacggncgc cccgtnncga 900
cgcacnnccc gccgancnna ccggcngngg cncgncgcag nanangngnn gccgcgangn 960
acagggggag angacggcgg ccggnaaggc cntnncngag gacganngca cacgcacggg 1020
anagggangn gcgnngcgnc ggngnggnng cnnngggngg nacnccgcgc ccgnanangg 1080
gaagngcgnn cccgncgcga ggctnancga cgnnncgngg gggnggntcg acgcgcgggg 1140
gnggcatngg ncccgcnnat ngaagcncgn gnnagcgccg cccaggcgna cgggnanggg 1200
naacngncgn gggcaacgaa tggngngcgg gaannggcna cgnacnnctg tgcgcnagcg 1260
nggngccgcc ncnagcntna gccgggggac gngacnnagg gcacgggnga cccgggacan 1320
tnangaagng ncgcnggncg gncaggcacn ggggngcgcn gnggncgaag nngngcgaaa 1380
nggnacggac gngcgaggga cangggtcng cggnaaagnn gggnagcggn cggnncnggg 1440
cggnggcncc g 1451

<210> 2519
<211> 1459
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1459)
<223> n = A,T,C or G

<400> 2519
cggnnnngng ggnnnggngg gnnggggnnn nngnnggnng gggggngggg ggnnnnggnn 60
nnnngnnnnn ggnngnngnn nnngngnngn nngnnnnnng gnnnnnngnn cgggnggggng 120
ngnngnncnn ngngnngnnn gggggngngn gngnngngnn ngnnnngcnn ngngngngnn 180
nggnnggnng gngcnngnnn nnnnnggnnn gnnnnnnnnn nnnnggggcg nntgaaccct 240
ttgggnaacn cccnnnannn ccnnggtggn gcncnggngn ccggcncccn ccgagntngn 300
nngggggggg gggggggggg nnttttttng ttncgggcnn ccggnccnnn nggggggnnt 360
gggggcnggg gggnnggggg gggnctttтt ncctnngggn gggnnggggg ggngngcggc 420
nggcggaggn gcgggncgan gacggctgtg gnggggnngg ngctnggngg cgagnngntn 480
nggggngggg nggngcnggg acggcgtgcg ggcnggncna gggggggggg ngnggannng 540
nggncgtcnn ggcggntnnn gggggggngg ggggngggggt cnctcgangg cngncggggg 600
ngntgcncgg gggctggncg ggggnggntg gggggggggcn ggcgngnggn ngganggggg 660
ggtntnnggc cgggggggggg ggngnanggg ncgntcnnnn gnnggggnccg angggngaan 720
gntggnggggg gnnccgngng nnnngnggnn ngggggggggg ngnggggnng nanacnggga 780
nnggngcacn gggggggncnn nncgcngnnc gcggggtgag aggggtncgg nnacgggggg 840
ggngggangn gtgggggngc agcnnncggn gngtnggngn cgccgcnnng ggcnnnngng 900
ngnggggggg ncggacncgn cggcggcgaa nggngngggg agatgngngg gtgncggncn 960
ggggnggnnc ggcgnnnnng nggngngncc cccngggggng nggnggggga ggtgagcgaa 1020
angtgggggn cgctgggggg ngcnnatacg gggggggggg gggggggggn gggggggggn 1080
ntgnnggggc nncgnncgng gnggggnngg ggggncnggn cnggggnngg cgggggnngg 1140
nnngacnggg gngctnggga gggggggnng gcnnggggng ggnnngtagg gnncggggtg 1200
cgnagnaggg gcgncgnnng ctaggggggng ncgnnaaggg gggcggggag ngacngngag 1260
ggatgnggggg ggggnggngn gnggnngngc ggacngnggg gngccnggga ggagcggaca 1320
taggnaaggg ggggacgtng cgcggnagng ntgggncggg gggnggtggg aacgnggggg 1380
cgncnnccgg tgggggggggg ganggctcgg ngngacgtgc gggatgcggg cgcngganca 1440
acgngngngg tgcngnncg 1459

<210> 2520
<211> 757
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(757)
<223> n = A,T,C or G

<400> 2520
agnntntncg accntntcga ntccgngctg tcgnnnntgt gnangctacc tgtnggaacn 60
tgnncaatgn ncanncnnac atgngtnggn tgnctaccgc acaggaaatg acnttctncg 120
atgcatgntt nanccatgcg cggtggattc tgctagattt ccctacctta tggctgaaaa 180
acttggcatt catcccagca gctgccatgg atggattttg ggggaacatg gcgactcaag 240
tgtggctgtg tggagtggtg tgaatgtggc aggtgtttct ctccaggaat tgaatccaga 300
aatgggaact gacaatgata gtgaaaattg gaaggaagtg cataagatgg tggttgaaag 360
tgcctatgaa gtcatcaagc taaaaggata taccaactgg gctattggat taaagtgtgg 420
cttgatctta ttgaatccat gttgaaaaat ctatccagga ttcatcccgt gtcaacaatg 480
gtaaagggga tgtatggcat tgagaatgaa gtcttcctga ccttccatgt atnctcaatg 540
cccggggatt aaccagccgt tatcaaccag aagctaaagg atgatgangt tgctcaactc 600
aagaaaagtg cagataccct gtgggacatn cagaaggacc taaaaaacct gtgactaagt 660
gagctctagc ttgtagaaat ttaaaaacta caatgtgatt aactcgagcc tttaattttc 720
atccatgtac atggatcaca gttgnttttg atctttt 757

<210> 2521
<211> 1178
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1178)
<223> n = A,T,C or G

<400> 2521
nnnnnnnnnn nngnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnncnnnnn nnnnnnnnnn 60
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnccta tcnncntagn 120
acncccnttt tttgggaaac cccccnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnngnnn 180
nnnnnnntnn nngnngnggn ngncgnngng ggttttnnnn nntttttttt ttttnnnnnn 240
nnnnnnngnn gnnnnnnngg ngggnnnggn ttnngggnnn nnnnnnnnnt ttttttnnnn 300
gnnnnnnnnn nngnnnnnnn nnnnnnngnn nngnngnnnn nnnnnnnnan nnngnnngnn 360
nnnnnnnagn nnngnnngga nggngnnnnn nngnnngnng nnnnnngnnc ggnnnnnnnn 420
gnnnnnnnng ngnnnnnnng nnnnngngnn nnngngnnng nngnnnnngg nnnnngnnnn 480
nngcggnagn nnngnnggnn nnnannnnnn nngngnnnan nngnnnnnnn nngngnngnn 540
nnnnnnnnga ngnngnnnng nncngnnnnn gangggnngn gnnnngagnn gcannnnnna 600
ngannngnnn nnnnngnnnn gannnngngg nnnnngnngn nnnnnnnnng nanannnnnn 660
nnnnnngnga nnnngnnnnn nnnnnnnngn ngnngnaagn nnnnnnnnnc nnnnnnnnnn 720
gnnnagnnng nnnnnnngnc ngngnnnnnn nnnngnnnnn nannnnnngn ngngannngg 780
nngcnnnnng gnnnnnnngn nngnnannnn nngnngngtg ngnnngnngn gnnnnnnnnn 840
nnnnnnnngn nnannnangn gangngnngn nngngnnngn nnnngngann ngagnnanna 900
nncnngnana gcnnnnngnn ngnnnnnnnn gnngnnnnnn nnnnngnnnn ncnnnnnnnn 960
nnnnnnnann gnggngnnnn nnggnnnngn nngnngnngn gnnnnngngn nnnnnangnn 1020
annnnnnnnn nnannnnnnn nnnannnncn nnnngngnna gannnggnnn gnnnnnngnn 1080
annnnngnna nnnnnnnann nnnnnnnnng nnngnnnggg anggngtnnn nnangnnnnc 1140
nnnnnngcnn gngnnngnnn ntcagnnnnn nnncncgg 1178

<210> 2522

<211> 813
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(813)
<223> n = A,T,C or G

<400> 2522
atntnttacc cctttcgant ccgttgctgt cggtttatat ccaggatccg tgcctttcca 60
ccgggtgtgg tgggcccaga ggcagcccaa ngagtggtgc tcttctgtcc agatgagcct 120
tggtgcccag aatggaaaag aaatcaggca tcggcctaag aggaactgaa agcaccccca 180
actctttcca gggccctcat tttgaataga attctctctg ggtggcagca gactcagctc 240
tgggacattt tgcctccacc tggaccttgg aggctgacag tggggagggc tgggcctaga 300
ggaagagcag aaatggggaa tatttggaag cggaggctgc tggacacaga gacctcctgt 360
tgggggtagt acgtggagac agaaccctgc ttctgggcat cctggggtag tactcacagg 420
ggcagggggc ccangcatct tgccagagcc aaaaataatg agccaangct cacatccctg 480
cagttggctt ctcaatcacc gttcagtacc ttctatgacc cccaagtaca aggtggncct 540
taaccatttg tcaaatgcat tncactnttc ttccttttte ccaatttcta aangggttct 600
ttgggaagtt ccatcttgaa cctgtggttt tcaactttgg aaccgaaaat gttttaagga 660
aatttngggc caaggaaaaa aactacttcc nttcattggg taagcccttt gaatgggaaa 720
gggtttttte ttgaaaccaa gtngatttta aaaatcccca ttgggggngng gggtttcccc 780
aaaaaaaccc ttncnttttt natttaaacc ttt 813

<210> 2523
<211> 1619
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1619)
<223> n = A,T,C or G

<400> 2523
cncccccccac ccncccngac cccnnacnna ngggannann nnaannnnnn nncnncngnn 60
ngnnnncgcn naannnnncn aacnangnaa ccgnnnancn ngnnnnnnnn cnnnnagnan 120
aggnaanagg aggangccgg ncngcanncn cgnnnnccng nagcgcngcg cagccggacn 180
ngngaggnnc cnngcgnngc ggaanccacn gcgcnangcg gancgnacnn gngnngaacn 240
caccncncnn nncncnncnn tcgggatacn ggaaaaccct ttngngaaaa ancccnncca 300
ngnnngacac aagaagncnc acaccangac ccccnnnccc ancngcngcn ancagcgngn 360
gngggccaat tcnaccccnt cnccnaagag cncaacgncg ccagnncnca acnggcncag 420
nacccngnag gancaannac ganaaaanng nacgccgngc acagcanncg nacgnnncac 480
gcncnngncg accncccgcn ggggnnggan annccacgnc gcgacgnaag ccgnccgcga 540
cggcacnacg accgccncca cgncccgacg naggcggaag cacgccgccc gngangacan 600
ncngnagnng cgngncngag cgcanacgnn acncnangca naccngancn gagcacnacg 660
cggcncaccc nncccgnagn nncaaaacnc nncaccnagg ancncgcnan cccgcgcncc 720
cngcgnccga cgncgcanng nagnacnccg cgaccaagcg nccgcngcga ngaacgnnag 780
caacgaangc ggcgcnngcg nncgcgnnga ncnaacggac gcacgcgcna cagcngcgng 840
nagacggacc nggnngacac cncagnncgc ncncgagacn ncgccnngcc ggcgaacgac 900
cncgcccggn nngggcacgc cacaacgngc gcnccnacga ccnggcncna nnnannnaag 960
caggaccgca gagaacgnaa cgncagacac gacanacanc gagggngacc acgcacagcc 1020
gngcancnna gcnacngngc gncaancaca cgcggacgnn cgncgcgagg cnacgctngn 1080
gnacngaacn aaacgggacc gcggggacgn cannacacga nnncgcacgc gngcgncgac 1140
ncggcncggn angcgagaca acgaaagcgn cgnnanngca acncnacgcn cccaaagcac 1200
acgnaanggc ncaggagngg ccnanaaann ganacctgcg cacgngngcg caccgagacg 1260
agcacgcgag acggccngcn gagggnaagc gagacgccaa caggcgcgcc gacgagcggn 1320

ccncagncgg aaccgnagna acccggggac gnncgncgnc gcgangcgca cgcnnnaccg 1380
agacgcaccg aancacaccg acgacgcatc gcgnagccaa aacganaagg gnggggcnacc 1440
ggacaggnaa nggancgaac agcnacgcca ccgnacgnna cgcaccgcac gggcaggcnc 1500
gggacganac annnnaangn agncanncgc gcgacgggaa acgcncgcgt acgcagnngn 1560
aaancgnnan cgcacngcgn ccgggnacac gncccgcaac gnanacggac gngncgccn 1619

<210> 2524
<211> 756
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(756)
<223> n = A,T,C or G

<400> 2524
nttttaccnt cgnttcganc cgttgctgtc gaatctgtaa acctttatga cattaggaac 60
taagaaaact tagtcccttc gttaggggga taatgaaatg tatttagtgt ttgtgaaaca 120
tagatgggta tgtatttggg acaattctgt aactttgctt tttttatttt tatttttcca 180
tagcttattg gggaacaggg tggtgtttgg gttacatgat taaagttctt tagtgggtga 240
tttgtgggat tttggtggac ccatcaccca agcagtgtac actgcaccct atttgtaatc 300
ttttatccct cgccccccctc ccaccatgcc tcccgtctac catgatgatc ctgttttaaa 360
taagaaaata ccatttcgca ggctccagat gttctggcat cctccctgtg gatttcccag 420
tgcctgcagc tcacaggaca acaggggctg tggtagagtc acctatgaga tcctggagta 480
gtggatggag gagatggaac agtgaagacg gaaactgagc tcagtatccg ggtgccagga 540
gacaaaggcc ctttgctttt tttcatttaa tattctgatc tacccctgtt gacacatgtt 600
aaagtatagt cattttgact gctatgtatt atgttccatt ggggggaaca tactggaatt 660
gtcacttcaa tctatactgg atctcctggg tgtatttaaa aggtttngtt tttttaagta 720
gttgggtatt tccaactnaa acctcaaaaa actttt 756

<210> 2525
<211> 740
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(740)
<223> n = A,T,C or G

<400> 2525
tntntncgcc tntcgcgatn ccgttgctgt cggagaaacc aaacaggtaa aagcaagtgg 60
tgaagccaca tggattaatg agatgataga aagtacaaaa tcactatgta agtcagatta 120
aaaagccagc ttgcactctc tgctttcatc tttttgaagc aataactatt acataaatca 180
gtgaatacag tatttctaca gtatttgaaa cggtgttcac acccagcaat tccacttcta 240
gacatatatc caagagaatg gaaaacatgt gcacacaggc acttgtacat gaatatttat 300
ggaagcatta ttcacaatag ccaaaaagtg gaaacagtcc aaatggccat caagatgaat 360
gaataaataa aatgtagtgt gtgcatgcag tggaatatta tttgcccata aaaagaaatg 420
aagcactgat gcaggctgca acatggatga acttgaaagc tttatgctac gtgaaagaag 480
ccagtcataa aaggtcacct actgttattc ctttcatagg aaatatccag ataggcaagt 540
ccatagagac agagaggaga ggagtggttg ccaggggctg ggcaaggaga atgagagtga 600
ccgctatggg tgtggcattt ctttgtgagg naatgaaaat gtctgtttag atagtggtga 660
tcattgcaca ctctgtgatg tctaaaatca ttgattgtca cttgaagaat atttagttgt 720
attattctag ttaaaaaaat 740

<210> 2526
<211> 722

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(722)
<223> n = A,T,C or G

<400> 2526
gagggctatg tccatgcggn cctcaaacna cgtaacatat tgtggagtgc agagaatgaa 60
tgttttaaac tcattgactt tggacttanc ttcaaagaag gcaatcagga tgtaaagtat 120
attcagacag acgggtatcg ggctccagaa cagaattgca aaattgcttg gcccangctg 180
gcctgcagag tgatacagaa tgtacctcag ctgttgatct gtggagccta ggaatcattt 240
tactggaaat gttctcagga atgaaactga aacatacagt cagatctcag gaatggaagg 300
caaacagttt ctgctattat ttgatcacat atttgccagt aaaagcaant ggtgaatgcc 360
gcaattccag cctatcacct aanagacctt atcaaaagca tgcttcatga tgatcccaag 420
caggaagaat ttctnctgaa atggcattgg tgcancccat tctttagcna ttcctttgc 480
ccctcatatt gaagatctgn tcatgctttc cactccagtg gctaagactg ctgaatgtgc 540
tgggntgatg attatcttga gaatgaaaga aggattatga agatgttgtt gaagatgnta 600
aaagaagaag tggcaaaaat nttggaccag ngggattctn tacttggtnc caaaaggaaa 660
aatccttggc annaaggana angtctttgg ttgagtattg ccaaatgctg gnggatttcc 720
ct 722

<210> 2527
<211> 1163
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1163)
<223> n = A,T,C or G

<400> 2527
gggnnggggn nnggnggggn annnnggnnn caannanang ngnnnnnnna nnnnnnangg 60
naanggnngg gggnggggnaa ngaaaannnn nnngcnnaan ccnnaggggg gagaagnann 120
nnnnangggg nannaaannc gncnggancn ggnanggnna aannnngaan gggngngngg 180
annncgcana aggncnacgg annggganag ggnnnnggan nnnnnncaan nnganggggag 240
anncgnnnna anccannnnn nnnngnnnnn tcgnnanccn naaagcccct tncgggnaaa 300
gnncngggggg gggggancaa gggganggacg gaccgcngca cagaggccac caccanacnc 360
gacccnnagg ggagggaagg ggacgccnnt nnnttcccan gcnggaagag gancgcgncg 420
cannggggggn gggaggggga nanaggngcn nggnnagcnc acngnnagac ggngcnngng 480
ggaggacgcg aggnagacac ngncgagana gncaggcgcg cagagcnagg aagcgcnccg 540
ggggggggagc aggcgaanag gcagcnnaag ggnccatcgg agagnggncg ccaggcgacn 600
ncggcgcncg gcnnagnncn nngnangana nagccganga ncggnncccg ncancgncga 660
gcacaggnng agcgggcgan nggngnngaa cgnngcgngg cacgggggcn cagganangg 720
agggaccgca ngaccangnn agagcnnggn ggcaggggggg cnngganaan cacnggnaaa 780
gncccggcgg gaagggnanc cnccggnggg nnccnccnnn nccgngngng ggggngcnnn 840
ggcngggngg ncgncnncgg gnncgccnnn nngcacggac cgccacacgn ggacgagagg 900
gcnagcgggg gccgnaggng ccgngnngcc annaagacag agcgncggga ngananggac 960
ancgggagag nagggggcgng gnncgcncac gngcggngac ggnggagnga gacggggagn 1020
ngncnannca nagcngaagg ggngcgggnc gannggggnnn acnccggnga ngagnaancn 1080
nnggggcncg nnncgcngng aaannnggga gnaccgngna ggcanangan cgnannnnaa 1140
gaaaggngaa nanacccccc ncc 1163

<210> 2528
<211> 1347
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1347)
<223> n = A,T,C or G

<400> 2528
nnngnnanan nnnnnnnnnn aaanngnnnn nnnnnnnngn nnnnnnnnnn nnannnnnnn 60
nnnnnnngcn nnnnnnnnan nnnnnnnnan nannnggnnn nnnnncnnnn cnnnnnngnn 120
nnnngnnngn nnagnnncng nnnanngnna nnnnnngngn gannggnnnn ngnnnnnnnn 180
nnnncgnnng nnannnannn gcnannanan nnnnnnnnnn nngnnnnnnn nnntccntaa 240
tcctnnaaaa acccctttt ggggaaaaaa nccccnnna nnnnnnnnng nnngnnagg 300
gaancnncnn ngcncgcnnn ttnnntnnnn nngngngcgc nnatnnannn gcgnnnnatn 360
nccncgtttt ttttttttcn nnncgngnan nngangnann aggaggaggg nnnngtttag 420
agnngngcnn anngagaacn ttttnnacna nnccgannen cgnacgngcn gngnaanann 480
gngngacngn acngncnaga nngncngana ngacncggan gacagnnacn cannnnggan 540
gnncngacng nncnnagnag agancgngca gggacaagcn ggggcgcgga nnanangcga 600
cggnnnnagc ncccancana cnancgngnn nnngcagnaa nngnncgaga cgnnagagan 660
aagagngacn gagcnnngtc anncggcgna ngnngnacnn ggngnggnna ggcgcgacgc 720
gagnangaga nnncgaanga cganggnnnn nngcgaggnn ggagacnacg nannnnnnag 780
nnnagcgngc angaannagg nncgnganna ngaaggaanc ggcgagnann nnaccgancg 840
annaangann ganacgnngc nngncaagna nggtngnana ngnnnnggga nggcangcan 900
ggnnangnaa nngganngna nncgnaaggc nngcngnann anngcnangc acnngnacng 960
nnangacaaa nganancgna agggaaacgg ggagcggnaa gcggnaacna agcggcgngn 1020
ngcacaangn cnnnggcgnn gcanangnga cgngnncgnn acnagnnnng acgnngaang 1080
cangacnaac gngnnnggaa agggnngagn annnnanggc aacgnnnnng gnncgnnnag 1140
ncanggnanc ggaacgngaa ngnanangna gggcaanana cgcgnaancn angnnncgca 1200
cggcnacgca ncgnnngcnn annnnngcgn ccnngngaac gnangnanac gcaaanancg 1260
nnggggancg angtntcgac ngngnagnca gnangnaggg acngannnat gganngangn 1320
acgganggan ngaancncag acgngcg 1347

<210> 2529
<211> 1126
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1126)
<223> n = A,T,C or G

<400> 2529
gnncgcnggn ngngngnnng gnggnggngg nnggngnnng nnnngnnnng ngnnnagggg 60
nngnnnggna nnnnnngnnn nnngcgnggg nggnnnggnn nngannncgg ggggnnngtn 120
nngggcngga nggnnngnng gnggggngnag gngcngnnng nnngnnngnn nnnnnnnnnn 180
nnngnatntg nttttttngga ccttggggna gncnggcngn gnggggcngg agnggcgtng 240
ggnggcgnnn gncnnggggg gggcgnnggg nactttnntn ggggttttag gcngccgcng 300
gnncgcgggg gggggangcg nagggnggng ggngcggtgg gnggggngtag ccgnggggnga 360
gaggnggagg cgggnagggn ggngngnggnn ngcgagaggc aaccggntga agacgaggca 420
ggggantggc ngnggncgcg ngnngggcgc ngcgccgcnt gtcngggggg agggggnggn 480
nggcagggng gcgccgggggg ggggcgggggg nnggggangn gnggggangaa ggcncgggggg 540
gggncgagct tgannggggcg gngngggaat ggcgnnctgg ggaggccgnn gttgnnggag 600
cgnncggggc gaggggggag ctgngagggg ggggcggang cggcgnngan nggagngngg 660
gnggggggnn ntncgangan gggagggcgg ggangaggnc ggntagaang gnatngccgg 720
gtggggcagg ggngggganga ngggngtcgg gtnagggngg tgggggggggg aggngngggg 780
gnncncnngg ntggaggggn ngnnnnnnnn gaggggngggg ngacnanggg gnnnaggggg 840
gagaaggngg ggtagccggg gnannncgcg gcggcggatt ggncggagga nagggnggga 900

gggggntgga ggggggngngg gnggcggcnc catgnnggggg nggggggtngg gagggncngn 960
gaggaggngg gnnggggggg ntgcannagc tangnggggag atcggggngn cgnnngtgan 1020
gngacgggan ggtgnnagng anagngtgng ngnggcngag cggggtgnng atngctnagc 1080
gnaggagcgc gcgtgtnnag nacggcggaa ggnnggcggg ggagcg 1126

<210> 2530
<211> 989
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(989)
<223> n = A,T,C or G

<400> 2530
gnnnnngnnn nnnnnnnngn nnngnnnnnn nnnnnnnnnn ngnnnnnggg gnnggnnggn 60
gnnngnnnng gggngngggn nnnnnnngnn ngnnnggggnn nggnnngnnn nnggnnngnn 120
ngnnnngnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnt ggnngntcgn gagacccttn 180
ggggngnncc cgggcngncg gccnggngcc ngcgcgggcn ggggngggggn gggngcangg 240
ncaggcgggg cngctgcggg gtcctgcccc nccnncngag gacncggncc nncgggnncn 300
gcggcgngnn ccagggcgng nggggcngng accngggccn cgacnncncc ngggannccn 360
gcgcnagcgg cggggncnnc nggcgggaca gngcgcnggc ngncnngngg ccnngggaca 420
nagagacggn gccncggnng ccccngcgcc gnggggngga gcccnggggn ngnnccnnca 480
gaccncccng ggnngnggga cngggggnccc cnggngggggn ggggaccaag gancccggcc 540
ggcncgggng gggggggccag ccncccnncg ggcngnggcg cgggggggcc cgnggncggg 600
cgnngccncc nnngcccngg cccnggnccc nnngcggggn cccnngggcn ggnggggggn 660
ggaagcagnn gncnnnccgn cgancgnngg gggggncgng ggnnnagggg gnggnngggg 720
gcncnnccng gggggggncg nnngggnggg gggggggana nggcnngggn ggcggnnggg 780
gcccaggnnn ncgggcggng gnccnngggg ccnnccccnn cngaggggna nggnccnngg 840
gggggagggg ggnggnggnc cnngnggnnc gnggnggggnc gggnggggcc ncngganacg 900
nnggggggnn ggccgggggc cccngccngg gnggggggna naagcnnnng nnggggggng 960
ggggggggggg ccnccccccnc nccccngcg 989

<210> 2531
<211> 751
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(751)
<223> n = A,T,C or G

<400> 2531
ttaatcttac cccttncgan tccgtgctgt cgcttgtaca gtatttctac tttttattct 60
aatcaactgg actgttgcat tatttttatg tagattgcta acaaggtttt tgaagaaaca 120
ctcttaaaag tcataaaagg gaaaatcttg acagttctgg gatattgcca cccttgacct 180
tttggagaaa tgtagacagc atctcccagg catgacgcct agggatcgtg tttatctgtc 240
atcagttggt gactccatgt ttattgagca ctggctataa gccagacttg gtgagggact 300
gaaacaatta caagacacag ttctgcactg gaagaaatag gaatcaacct aagatttcct 360
gtcctgctag gtcatcaggt tcctgtccca ctactttcct tcctctacca aattcactta 420
tagcctccaa gtagtgtaac tatcaatagc acccctttca ctccccaaag tgtcctaatt 480
tggagagtaa gttgtatgat caccctacct acagtctgcc tgttttccaa tgcacacttt 540
gtctctcccc tgctcttgtt acatgtgtgt cctgaggcca ctttccagat ggtcttcctc 600
tgtcattact ccagcatgtc antgctttgc tcaaaaactg ctaactgggg tcttcattgn 660
gggtaaataa tccatttttct tatatcatgt agccnaaagc tctnttccaa tttggaaata 720
ctaanagtaa ctcctattca tgaacaggac n 751

<210> 2532
<211> 708
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(708)
<223> n = A,T,C or G

<400> 2532
nctccaaaaa tttgcttgat cttgggtctt gttcagggca gaaagagata atacaaggct 60
ttggtgatgc ttagcatttt agaagaagta atgctgggtg ggaaatggat ttggcagtct 120
cgtttttcgc atcattggaa tgggagtccc tcacagttgg agacaggatg aagtaacaga 180
gcgtggggat ctggattaac aggtggccat tcgcagaaag gaggctgcaa agcaagaggt 240
gggggcttct ggctgagcag gaagtgggag aggggcatcc ttgtgaggag cacctgtagt 300
gctggggttt gggcacaggc aggcagagga ctttatctga tcatctcaaa taatttgcc 360
tctgcttgga agggttctag ctacaaaggc aacatagcag gtagtgcttg ggtgtgatgg 420
tgataggcac agcggtattt taaatactgg tggtacattt tangaaaaag aangtgacga 480
gtncctgggg aaagtccctt gtggtggccc atgactcacc cgtggcccca aggggaccag 540
aaccagaacc aagggaagaa ttccatcaac cgaatgggaa acctttgtct tttttaaggg 600
ggaccaagga aanctttttt tttgtgttgg gttgggccct ggtnggcntt attgaaggaa 660
gaaggtggaa cantttnaa acnaaaaacc ccanggcccc ntttttt 708

<210> 2533
<211> 1199
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1199)
<223> n = A,T,C or G

<400> 2533
gaatagtgta aaaaaccccc aaanttnttn naatttccgn gaaaanattt cccccggttn 60
ttgggcnttg ggttnccgan aaaaaaaaan tttttccncc caagnttatt ccancccccc 120
nctttacgag cntnggtggg ttttnctttn ccaannggan natgggaacn ccggnagnnn 180
ngngngctan taataaatta nnatacnatn nnnagttntg gannataata tanannaacn 240
annnattacg gnggagtant tttnttacta tnaanancaa atntgtnaca ntactnaata 300
ttgananatg tnataaatta aatagaacaa tattnnnatt ntaaaaggaa naaaatatna 360
ttananatna anagnnngaa gtanaataat aanataattn nntatnattc tatggaatan 420
aattanaata taactnaatn nttntaanan ganncttaca atctctntgt ntatatnana 480
anaatcgaaa attattactt actanatata aantatntan tcatnntnna aatnntaata 540
tanatatcnt tacaatanat nattattaat aacttaaana aacananctc ntatantttn 600
atancnanat aatacanana anatttgatt nataatnana tannnaatta atttataata 660
tatanttatc nannataaaa nnatntatna nattntnnan aaatatangn anaantactt 720
atatcnanaa atanttaaaa naaatatcna ctantaatag aactacattt atttanatca 780
ttcatnnant tttcatagan anntatnaaa tcntattatt nacanntnat ttaatttana 840
tntaaactta tantatnntc tacnnataac tannttaaaa tnatatnnan ttattnanat 900
aatanatatc tantataaat ananntanat aataaattta atnttactna ntatatatat 960
tnataagctn ttnntatata tagatnatan gaacnnantn atattnnatt anaanataan 1020
nanatatgta tatatanatc ttacntnttt catatataat ntntnttnac atatatnaat 1080
ntatctatct anttcatcaa tactattnna tacaattata aacattatnc tnnatttnnn 1140
naaatatata ttatnantaa ntntntctct annntatana taantatana annttttnt 1199

<210> 2534
<211> 709

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(709)
<223> n = A,T,C or G

<400> 2534
naaccncgnt cgantccttg ctgtcgaaaa gaacttaaaa cgttcccaca ggcccntaaa 60
agtcttgtga gttctggcat tgtggttcac acatcagatg cccaagttgg ccctggtccg 120
cagcagagga gggctttgat gggacttagg gtatcacagg tgtgctctgg ctgttgtggg 180
gaacagactg taggcagcca gtgtggaagt gcagggacct ggaaggggtt gactgcactg 240
gccctggaag gccctggtaa gaggtggtga ggttgaaaat aaggttgggg gggccgggcg 300
cggtggctca cacctgtaat cccagcactt tgggaggccg aggcaggcag atcacgaggt 360
caggagatgg agaccatcct ggctaacacg gtgaaaccct gactctacaa aaatacaaaa 420
aatttagcca ggcgtggtgg cgagcatctg tagtcccagt tactcgggag gctgaggcag 480
gagaatggcg tgaacccgga aggcggagct tgcagtgacc tgagatggcg ccactgcatt 540
ccacctgggc aacaaaatga gactncgtct caaaaaaaaa aaaaggaaaa aaaaggaaaa 600
aaaaaaaaaa aanntntntn nggccntttt tttcntantc cccaantttn aaaaaaantt 660
ttgtnggatt tngcncaccc ncccctttan tnntnnnnnn nnnnnnnnn 709

<210> 2535
<211> 746
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(746)
<223> n = A,T,C or G

<400> 2535
naaccacgat cgantccgtg ctgtcggttt ggtttatata taatgaggga agaagatgat 60
tacattattt ttgtcacttt gccatcattg tttagaagtc atagaaagaa tttttaaata 120
ggccaataag tcttaaactt gagtacttgg cttagaagaa agtcaaaact ccttcctttt 180
tgactaagtg gtttgtttct ggggagctct taatttctat ttttataatc attagcctat 240
aaggaaattg tgtcttcctt gttctcaggg tgatctgctg accttgttca ctcatgaagc 300
atttgggtat catacttata gtgtctgaaa cataaactgt attgagctag acaaggtata 360
gcctcctctt caagtagcaa atactatcaa aagctataat gcagtaggag caaggtggtc 420
cttgttccag tttttgtctc agttctgctg ctgatgtacc atgatcttgg gaaggtggtg 480
tctcagtgtg gagatctgac acattgttac cgtgcctcct ggctggaggg acttggagaa 540
caatgcagtt aagtagaatg ggttttaacc aatacagaga aaatttattc cattttaaaa 600
taaaaaatct ggatttttta agaacctttt aaaaagcttt tggtaccagt ggtaaaataa 660
gaatttaaat ggtattttaa acatgccttt tatcaagccn ccaaaatnaa agggattttt 720
aaaaattttt gtccnaaaaa aattaa 746

<210> 2536
<211> 708
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(708)
<223> n = A,T,C or G

<400> 2536

naccacgatc gaattccgtt gctgtcgcaa tttctgagtc tctttctatt taatgccacc 60
aatttctgag gaactagagt gcagagtgga ttgcttttca gctttttcta ttaggattca 120
gatagctttt taattgctgc taatatattt gtcattcata ttgctttttt gttttcaaaa 180
ttcagttaat atttttttctt ctcattcatt ttgactttgt aggttcatgc catttgtaaa 240
accctctttg ttgtcttttt attggaattt tgagagggag ttaaatgtct gtttttaatc 300
taccatcttt aaaccaaaat tccagctatt taatttcagc atgaagaatt gcattaaaaa 360
cagagcagtg aatcatttta tgaataataa tgctggattt tatttttaaa aattatccta 420
gcctaaaatg tttaggatca tcatagcatt aagagagatt tatatttggt aagaaatcaa 480
aaacatcgtc agttttcatg cttaaagtat ttaggatcat aatagcatta agaaagattt 540
atatttggta aaaaatcaaa aacatggtca gttttctagt ggaaattttt catggcacta 600
taaatcttta gtaacaagat tttctatggt tagnctttgg atatcttttt ttttcttaac 660
agtagtttat aaaaaggatn aaaagctgnc atanggctgg gcccagng 708

<210> 2537
<211> 710
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(710)
<223> n = A,T,C or G

<400> 2537
tcctcgntcg antccgttgc tgtcgcaatt tctgagtctc tttctattta atgccaccaa 60
tttctgagga actagagtgc agagtggatt gcttttcagc tttttctatt aggattcaga 120
tagcttttta attgctgcta atatatttgt cattcatatt gctttttttgt tttcaaaatt 180
cagttaatat tttttcttct cattcatttt gactttgtag gttcatgcca tttgtaaaac 240
cctctttgtt gtctttttat tggaattttg agagggagtt aaatgtctgt ttttaatcta 300
ccatctttaa accaaaattc cagctattta atttcagcat gaagaattgc attaaaaaca 360
gagcagtgaa tcattttatg aataataatg ctggatttta tttttaaaaa ttatcctagc 420
ctaaaatgtt taggatcatc atagcattaa gagagattta tatttggtaa gaaatcaaaa 480
acatcgtcag ttttcatgct taaagtattt aggatcataa tagcattaag aaagatttat 540
atttggtaaa aaatcaaaaa catggtcagt tttctagtgg aaatttttca tggcactata 600
aatctttagt aaccaagatt ttctatggtt aggctttgga tatctttttt tttcttaaac 660
ngtagtttat aaaaaggatn aaaagctgnc atagggctgt gcacagnggg 710

<210> 2538
<211> 1565
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1565)
<223> n = A,T,C or G

<400> 2538
caattccata annntnnann tacanatcta natatntntg ntnngnnant tnttatatat 60
tgantaantn tatnnatant ctttnanggt gaanactntc atgtcagctn naanaatttt 120
annttntagn gggcanntca tatattatgg tatctgatan nantgnnatn ntncctntgn 180
nnnnnnnnnn nnnnnnnana ccnngtatcg antccgtngc tgtnantata antnncngnn 240
tnccccctcg ttgangtgta aattatnata tagnggttnn cactttatat tctttttttc 300
attatattct ttactctttt ctannannac tgtnttttnt ttnttaanat naatgacnta 360
ntctcctant atcnanctnt aanaannnna tcatantatg annttnannta annnttantt 420
ataatangan ttttattntn antnntntnt nattttanta tgnattncat ntatnnnnct 480
ttttgatgat aanccttnaa natatattnt ntatantact tcaanntnta tnatcttnnt 540
nttatanant attatatatt tgtattatnc tntntaacta ntantttnct tantaantat 600

tctgtgctgc tttaggcatc tgcccttacg tggttcgtgt ccagctctgt caacaaggcc 300
agctccacaa gaggccccag ctcagccctc cccagtgggc tcccctactc aggctctggg 360
tcagcttctt cccaggaggt gtcctggccc ctgtgctggc cccgcctcgc tgcctggaca 420
cctgtccgtg ccaccctggt cactgagcag gacatccgcg tctgtggccc ctgggaccct 480
gcccccgaca gccaggcctg ggtttgtcct tttaggtaga gtgcctggtc caggtcattg 540
gaggagaagt ccacatggcc acctctggcg tgttctaaaa aggccctccc gcgcttgggt 600
caggaggcca gcatcgggga acaaggaaaa angggggctt gagcttcctg gttccttttc 660
ttnccttccc cgaaggncaa anaaacattt cccattccga atgtccaatg gcgcttacca 720
gaattcnttc cnt 733

<210> 2541
<211> 708
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(708)
<223> n = A,T,C or G

<400> 2541
naccacgatc gantccgtng ctgtcggcct gggaagatat atgtctgatt ttcggacttg 60
gaagcaagat aaaggaaaga ggctgctggt ttatggtata gagattttca ctcgttaaga 120
aagtaacaaa gtaaggaagt aggattattg tagaaatatt attttacagt tcaagtttgt 180
aaaacacagg tgaaggtaat cgttggtggg tctcttcctc tgagatcacc aaattatctg 240
tagactggtt ggtagacttg gagagaccac ttgttcttgg acaacagtta gaagcatact 300
gccctaagca gtaaaaaggt gattgttgag ggcagcaaga ggcggtgtaa cataccagtt 360
cattttctt ttcttagcaa gcatgtacta attgcctttt aaaactcctg accatagggg 420
ataaaacgat tacaagaaag ataccttccc tgctcccatg gaatttacat tctagcacaa 480
cagtggatat taaacaacgt atcatctggt tatgtaatta cagtaataag aatcatgtag 540
gagaggtcaa ggaagcttac tgctgtgggg ttcaggatgg catctncgaa agtatgaata 600
aggaaagtgg tgggagaata aaaggagagt ggcagagact caaactgaga gattaattga 660
gataatgaca attgngggat tcaatgaggt gttaatgtgt tagncctg 708

<210> 2542
<211> 718
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(718)
<223> n = A,T,C or G

<400> 2542
tnaccnntnt tcgaattccg ttgctgtcgt ggaggcttac taaccaggta agccttctat 60
gcatccacac caaaatcctg cagaatgtaa gtaagctctg ctttataaga tgggttcacc 120
ttcatcgcag actgaaagtt tcagttttta ttttttcag aaagcacgaa aaattattta 180
taatagtctg gagaaaaaac acactgtaat atttcaagtg tatgcagtag aatgtactgt 240
aactgagccc tttcccacat gtctaggctc caatgtctcc tgtaggtcca cctaactgtg 300
tgttttcagg gacaatgcca tccatgtttg tgctgtagac ttgctgctgc tgaatccttt 360
ctggggactt tctcatcggg cagggagcag agggcttctc gttcatgcac cctttgcctg 420
aacacccatg tagctgctgt gttgtgtata tattactctt aagaggagtg tgtgtgtctg 480
tgtttgtttt aaaagtcact tatttcttac agtgatttca attgcaccat gacttcttca 540
ctaaaaccac aaagtcctgc ttaaaactat ggaaaaccta acctgattag agccttgact 600
atttttgaag aataaatgcn cacttttntn ttttnaanat tnttggaaat tgagactttt 660
ggggccnttt ttttnggggg aatttctaac ctgntaanaa acnttnnana attttgan 718

<210> 2543
<211> 889
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(889)
<223> n = A,T,C or G

<400> 2543
annattnnnt nnaannnnta nananttnnn ttnnnnannt ntnntannnn tnttnnttnn 60
tananatntt nntttnnngg gganagtann tntntntcta tnntctntac tatnntntan 120
tnctggnggn gnttnttgna gatntatntn ctatcttnnn nnntnatnan tannnnnnnn 180
nngaataaac cnnntatcga ntccgtnngc tgtcngntgg nctgaccacc ccactcatcc 240
ccgttaacat tctctctaaa gagcctcgtt catttccaaa gcagttaagg aatgggaacc 300
anagtgtttt aggacctgaa gaatctttat gactctctct ctttcactct ttttttttt 360
gccactaagt naaaagcgaa gngagagtat taacgttttt gttctcctcc ggcccntgt 420
tncaatnaag gggcaaaagt atttgctctn agtctattcc tcccttaact tctgtgacta 480
attttnattt cctttctana ttngcccaat taanactagg gtgcagngta tcctgnatag 540
gtagggtnag tgggggagga atcccttggg gnagatatta ggantgctct gttgtttaca 600
aactcaggtn cccgcagggc ctancaaaga gacttaaatg actgataaaa aaccccntgaa 660
aaacatgttt gnttccaggn ttnatttcan tttttccnnt ttttttttt tnnaaaaaaa 720
aatntcnttt tgtcaccngn tngaangcat tgggncnatn ntcnctttnt tntaacctcc 780
ctnttngggn taaannaatt tcttttgccn atcncccnaa atcttanata aangccnttc 840
cnncncccct gttnnttttn tntttaaaaa aaantgggnn tcccntttn 889

<210> 2544
<211> 746
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(746)
<223> n = A,T,C or G

<400> 2544
gaccacgatc gantccgtgg ctgtcntnnn accgncccn cccacctgcn tncagctgcc 60
tcttncacct gggccctgct ctcagatgga agtgtcacca aacacccaga tcgtcgtgct 120
cctgcttctc tggagtggac acaacctgaa aaccaactgg actgagcatc cttctcctaa 180
aatctcagcc agaagccacg atggagggtc ctgggaaggg aagagatgtg aagatttctg 240
tgattctaaa accttgggtc tgcctgcaaa cttctctctg atcccagccg agagctgtgc 300
acacgctagc tagccctgtc acacaatagc ccagtgttcc cgtcacaant gcctgggaat 360
gagaggcttt tgagccacag agctatgaca agtccncagg ttgaattgac tctgggagga 420
caaatttctg agagactcac gggaccctta tccaggacaa cctcacaaaa gatcccttga 480
aactgagctt tctctgcttn cgtgcataat ttgaggtata aactttnctt gtgtctncgg 540
tcaanatgaa gtgaaaggat gaatattatc cccaaggcta aaagntaacg naaaangtcc 600
aataagccat ccgatganna gaatatnttn ttttggaaag aaagncttgt gaancatttt 660
tccattcaaa cccctggtna ngttttcccn aaagaanttt tttccccgaa naatattgtn 720
gtttnggccc atnaaaaaca ctggat 746

<210> 2545
<211> 716
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (1)...(716)
<223> n = A,T,C or G

<400> 2545
naccnnnntc gaacccgtgg ctgtcangct gaaaggccta cncattaaaa actaacactg 60
cctcccctgn agggagatag tcctttcatt ttagctcctt gcattgaaat agcattgagg 120
attaaatttg tgtaagcccc acaaaattca aaatttatgt gcttttctga ccacttgcct 180
tctagtggaa attttaagca tattagagga tatgtttctg tgggagctga tcagaatggt 240
actaggagta caaaagaata tctaaaacta aaacacagct atatttcaga tcatactgct 300
tcatcacatc gagtgcatct acaaaggtaa taaatagtat gtggctgagt tagggcttgg 360
gaccattttc tagaagattt gccctttctg caattctagt ctctataatg attggagtgt 420
aggagttaag ttgtggagcg tctcataaat ttaactagaa tcatcccctc ttaaaatcta 480
aatcaaatat tgacatatta gtcggccatt atttgattac atttttattg gtttaagcag 540
tgagagatgt tttgtgcaga atctggttgt tttcacccct aaagtaaggc attgcattat 600
ttctaaataa tcctataaag cccctaaatt aaaaaaattt aaaaccaacc cacttttnta 660
aatgaanggc nctnctagnt ttctatgggg ccagcctctc attcccggna atttcn 716

<210> 2546
<211> 717
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(717)
<223> n = A,T,C or G

<400> 2546
tnaccncgnt cgantccgtg ctgtcgctgn ctatcagtgt accggatatt tatgtaaact 60
atgactgtga cttaaatgct gccaatatat ttgaaagact agtaaatgat ctatcaaaaa 120
ttgctcaagg aaggggcagt caagaacttg gtatgagtaa tgttcaggaa ttgagcctga 180
ggaaaaaagg tttagaatgc ttagtgtcga ttttgaagtg tatggttgaa tggagtaagg 240
atcagtatgt gaatcccaac tcccagacaa ctcttggtca ggaaaaaccc tcagagcaag 300
agatgagtga aatcaaacac cctgagacaa taaacagata cggaagttta aattccctgg 360
agtcaacatc atcatcagga ataggcagct acagtacaca gatgtctggc actgataatc 420
cagaacaatt tgaggtccta aagcaacaaa aagaaataat agaacaaggg atagatttat 480
ttaataagaa accaaagaga ggaatacagt acctccaaga acaagggatg cttggcacca 540
cacctgaaga tattgcccaa ttcttacatc aagaggaaag attagactct actcaagtgg 600
gtgagttcct gggagataat gataaattta acaaaagaag tcttgtntgc attttgtggg 660
accaaccatg acttttcag gaaaagactt cntttcagcc cttcgtatgt ttctaga 717

<210> 2547
<211> 680
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(680)
<223> n = A,T,C or G

<400> 2547
atttcattgc cctctttana nanttgnttn caaatgtcga gcatctttat ttatccaaat 60
ctctccacag tgtttgttta aaggggagcg ctggagagta aactaaatct tacaatgagc 120
atatggatgg ctataattgc tgaggtttgt ttttttttt catatttgct aactcgctat 180
atataaaatt gngtttctat tttatanatt tcacaccctg aanactgcta atttttgcat 240
gcatatgatt ttcacatgaa tggatgaaaa tactaaaatc tcttcccccc ggaattgtct 300

aattgccccg accctactct aacagcagct agtgggtggg ggcggtggan actcctgcca 360
ttctctgtgg caccccactt ccctggaagc tcantcggcc tccgtctgct cacgtattgg 420
cacggttgtc ttccaaaccc attgatgccg gaacatgggt caggaanaac acagtcagct 480
ctctggngct ttccatancg ttcctttttg ccaggcttct ganattttta aataacggaa 540
gcaacatctg ccctntgaat taactgacaa tggggaaaca cacattgcaa aaattatctt 600
aatgtntagc aaatcaaggg aaaacaaact ttgcttaacc attggtttca gctttctatc 660
caccaaancc ccaacttttt 680

<210> 2548
<211> 721
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(721)
<223> n = A,T,C or G

<400> 2548
tgaccattnt tcgaattccg tgctgtcnaa tntgacagag acgctcaggc tgtgttctca 60
ggatgaccga gtgggagaca gcagcaccag cggtggcaga gaccccagac atcaagctct 120
ttgggaagtg gagcaccgat gatgtgcaga tcaatgacat ttccctgcag gattacattg 180
cagtgaagga gaagtatgcc aagtacctgc ctcacagtgc agggcggtat gccgccaaac 240
gcttccgcaa agctcagtgt cccattgtgg agcgcctcac taactccatg atgatgcacg 300
gccgcaacaa cggcaagaag ctcatgactg tgcgcatcgt caagcatgcc ttcgagatca 360
tacacctgct cacaggcgag aaccctctgc aggtcctggt gaacgccatc atcaacagtg 420
gtccccggga ggactccaca cgcattgggc gcgccgggac tgtgagacga caggctgtgg 480
atgtgtcccc cctgcgccgt gtgaaccaag ccatctggct gctgtgcaca ngcgctcgtg 540
aggcttgctt tcngaacatt aagaccattg cttgantgcc tggcanatga acctcatcaa 600
tgcttgccaa nggctcctcg aactcctatg ccattaaaaa anaaaggacn agcttggaan 660
cgtttnggcc aaattccaac ccgttgattt tnccanctgg ttgnccnaat aaaacttttn 720
t 721

<210> 2549
<211> 703
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(703)
<223> n = A,T,C or G

<400> 2549
taaccacgat cgantccgtg ctgtcggttt ggtcttaggc taaaatccat gttntacgga 60
gaattcaaga aatttttaaa cttcaggtag aactgtgttt tttacaaatg tatagaaagc 120
atagtgccta atgcatggta gaaacatttc tttaaggatg accggatgtt gccgtatgta 180
tttatggcac aagcaggtgt tgtctaagca gtttctctgt ttgcttgtca tagcagcatt 240
tggaaactca aacatgcttt catttacata aatagtttat gaagctttga caacaaatgt 300
aaacagacac gaaattataa atctgctaaa tatgtattaa gggtattaat tattgaaagt 360
ccctttcccc aaaactcaac tcctatggca attatgaact ccattttacc aagaacattt 420
aagtgcctca gcatctgtat gatatagtgg agcaggtgct gacataggta ccagctgaca 480
tgatgtgtca ctagctctgt gggatgattg ccacatacat ggaacacctg ggagtgctgg 540
aaatgtactg ggatcgaagt gacaaagtgt gttttcattc acagtggagg ctacatcaag 600
caaggggagg nccaccctct tgcaagtgtg gtgagangct ctctacaaag acatgggcac 660
cggagtaggn ccctgtanca tgcnggtgct gtananaaaa tnt 703

<210> 2550

<211> 1063
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1063)
<223> n = A,T,C or G

<400> 2550
ctccntttnn acgtntnacn tagtnanann tgtngnntnn ngttanattg ttaggtntnt 60
cntgctctcn cnagatnnct attacnatat anngttntnt atntacnggn anntnctana 120
cnttctatct cttnnanact tnnntntnnc nnnnanaaga accangatcg antccgggct 180
gtcnntctnc gcagtgtacn ccctgccttg gatcccctcc cctcaaggag ttcatctcng 240
cgggagggag ggagacanga tagganaggg nacttttaan tggtctntan cccttagcga 300
gggngtgttg aggtcatgca tgggaggagg ctgtcttgnn gcngaaccgg gttcanggag 360
gctcatnngn gannngntncc ctcctaggca ctggagttnt ggcttgantt gtgaggggta 420
gccnaanggn nnggctacaa tgnncgnggg nnggagagtn tnctnttntc ggnggnaacn 480
agannntnac gccncncatg nagggggtnt tcatgtcttt cangttccag ggaatattat 540
ncatnggtta anacggnggn ttgcnngntg naatcgaatn tactcttgct ccnntgtttt 600
nacntntntt tcgagantnn gggaantgna nntctcattg cctggggnnt nnactncntg 660
gntantggan ntntcaatca ngcangnngc tttnnnttgg ngatggggnn cttcttnngn 720
nngnttngac tctgatanta ancnnggnnn tcgnnctgnn ttnctgnatt acntacncna 780
ntgngttgga tntgnnanct aannntcnnn antnatgnaa ccncnacttn nntntntcnc 840
cgnnaaatgg aacantncan ntgnttgtnn canctnnngt aggnagctng attatagtat 900
ncntnttgtg cnanttntna cctttgggnt ntggnactnn tcttcncgat tccttatcca 960
canaggggac tcccantggt naanataann anacgnggna gcttnggngn ntancatngg 1020
gngtttttnc tctntcaagt acnaantntn acacctctnt ncg 1063

<210> 2551
<211> 715
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(715)
<223> n = A,T,C or G

<400> 2551
gaccncgatc gaattccgtg ctgtcggntt agcactcaca tatttttgtt caatctttac 60
ttctcacaca aacagaaaaa ggaaattata tattctgtat caacaaagat ttaacaaaac 120
atccatacac tacaactgtc tacttactaa aattaagaat tagtatatta tctttttttct 180
tcttatatta aaactatctt ttcatacact attttaagtt tatgaactga aagtctttta 240
gagataattt acttcaatga actattatta tttatatttt ataagcaaat tgtcacaact 300
tggtattagc tagctctact gttcgcttac agtctctaaa gtttctgaaa gcatccatga 360
tttctgccac aaagaagata cttaggaacg attctgtttt cctactctgt gacctaaaat 420
tgactggttc ttcaatggaa atgagatcca tatcgggcac taagggtata cagaaataat 480
tgtgggcaaa agtactaaag ctatttttgt tgcactatat tttgagatct ctttaaggct 540
ctgtgttctt actgatttat tccaatttaa tgtattgnac tattggcatc ctacttttttc 600
tttttaaata tattattatt gactgnttac aagactttgt gttaaactga caggaaagtt 660
tttataaacc aataacagca ctcacatttt ggaaagactg ggtnccattg gtctn 715

<210> 2552
<211> 713
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(713)
<223> n = A,T,C or G

<400> 2552
tgccttatcg antccgtgct gtcgnnctga cgtgaaatgt aaactantag gcgtgttatt 60
gatctgctaa aactaaccct ctttttaaga ggagatttaa ggaagacgtc aatcaaaatg 120
tcaaatatgt gtgtcagaat ataaataatt tttcacattg tattgttgct atataaaaaa 180
aataatagaa ttggttgggt ttctgaggtg aaatccagag taagagtact agacagttca 240
acaagccaca tctaatggca cagatagagg atgtagctat tttatacctt tcataacatt 300
tgagagtaag atatccttca ggatgtgaag tgattattaa gtactcatac ctgaaatctg 360
ttgtcaagat tagaactggg gttcatgtta aaaaccttcc atattacctg agggtacctg 420
tggggaacag ttccttcccc tgtgtggtag tattttgttg gaagagaatg tttatacaaa 480
aaatgaaatt cttccaacag cagagaaact ctaaaaagtt tgatagtacc tatcaaagtg 540
ctgtacttct gtgatagaga acatctgatg tacccaattt tagatctatt ttctttatac 600
tttttctaat caattgctta atagtacttt ggatgattat caccttgcc actttaaaat 660
atataaatat ccttttttact tcatgaggaa ggaagaattt ttggntaata ctn 713

<210> 2553
<211> 1506
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1506)
<223> n = A,T,C or G

<400> 2553
ccnccccctca cnctgtnctc accccnannn ggncttgttc tanngntgnt gantttnnag 60
ctttntattn aggantnctt nnnntaattc tntntctnga gtgganntnn nnnacggtac 120
ntcaaaancn tgggtnaatt cnnccttann ncccccatnn nggttttctt nntttnatnn 180
ctnatnattc tantcnntnt nctancaatn ttcctnatan nntcntnngn ctctntttta 240
atnnatanac ttacctnact cnanttctct anctngtata tntatnnnga ggnatcngnt 300
acggntnact anagctnnna natnactggt accncctacn cntncncngc tatntaacgt 360
aatgacctct taccntacta taccatntnn ctcttatnaa aacgtataat atnctaacgc 420
tatatatggc tacngcaacg nacacgcanc ntatcnctaa gctgaactna ctntgnntan 480
ncgcgtantg taatngtnag tntangtcan atattaggtn atgcctcgng tattnannnt 540
taatcaattc nattctatan nntctgntna ntntnctnat atnttatccc natcatattn 600
nntatnttat caaanttcat gtgtcntntc tactnaactt angtatantn natgcgacgc 660
nnngtntatc anngncantt tctnttaact tngcatatnc tctnantnta atgntgtatg 720
cnacnntatn tattctnacg aacntnatat aatnttcnta anttntnatc antnnatnta 780
tngtactaca tngtcnntng tcaacncgta tatctctnnt ttagnanatn tnctatatnc 840
aatntgaatg ctgnttancn ctcnctntag cnaaaaaacg ctactatatc ancgtntcnt 900
annnttacct tcgttctcna cgtatntacg atacgtaatn tnactacctt agctancanc 960
gtcncgntgn tacncnaanc taatctctan atnntctgca tgttctgcat ntagacnatc 1020
acntacntnn ntanattnta cgntaantat ctcatnctcn ttnnatnnna acgngncagc 1080
tntntnacnt tcnacncnng tntntannnn acattatntt nnatctcagn aaaatctatt 1140
acnttcnntc tatacttngt atntantata tctcatctta gnngntanat gaattatcnn 1200
gtncnctatn aannacacan actantntan ntanangacc gtannnacnt nnnattcngt 1260
acatatnant attntntntt atngatntnt nnctcaantg ggatanatac tacntnttgt 1320
atctnncgca tntatnctan gntgaatacn ntatntnnat acctngaang tacgcncacn 1380
anctaatnta nctatgcgan cnanatnncg ctacgttntn tcactctagc cnantaatan 1440
tncgtanata tctacntgat naantantgc ncttaacnta cntannntga cangaacnna 1500
tntncg 1506

<210> 2554

<211> 707
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(707)
<223> n = A,T,C or G

<400> 2554
gccacgatcg antccgtgct gtcgcactga atgacttaag gctcgacaaa tgatattctt 60
ggaaagttta atcttgaggt tttcaaatct ttttttttaa tgtctcccat gtttctcatt 120
tgctgattga ttcattagtt gctcttagta agatttgtca gttggaaata atgaaggctg 180
agactcattt ctaaactctt ccataaccat caccagaaga gcagccactg tgttgtgtga 240
tgtaggctaa tgcctcccag atagaggtaa agtcacaagg actattagaa ttccagtgga 300
ttgtggaact ggttttggat tatccttata ttttcattct gattactgag gcagttctga 360
aaactcctac cattgaaata gtggtgtgtc ttttccttgt ttaaggattt tacatcattt 420
ttatgcactt gaattccaaa atcagaatct ctcttttacc tatcaacctt tattggctat 480
tggcttttgg caatgacctt tctgttcaaa tgtagtcctg tctctttgtt tccttaggga 540
gtagaacctg cctttttctc atctttcatt tttttgacgt gtcctttcta agaaaangct 600
ctctgccgct gttctgggtg ataaatgata ttttcatcta atcgntatgt gggttgggat 660
gatcatggng aaaaactagg aagacatctc tggtggatgg acttttt 707

<210> 2555
<211> 1192
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1192)
<223> n = A,T,C or G

<400> 2555
tcnnncnnnn cnagnannaa tangnnttta tngtantnan tatangtagt gtnnaggtgn 60
nnnananagt gatanngttc nagnntnnca nnngtntgnc atgatnatat atagntnnnn 120
nnnngnagnc atgatcnaat ccgggctgtn ntntgcctgt ggncccnatg ggncanacac 180
tgngcccgcc cacagaatag cctcnatgcc ccctggaaca gcctcggtgn gggcctgttc 240
agtctcngtg cncnctnann catcctnnan tancntttga anagagnnat ttagagtana 300
aannaanttt gtcacttnnt ttntcattaa aaattactat nngnaacctt angaagnnna 360
tgncnnatca angcnnntgt cnagctatga agaattatnt ntangnggaa anaacatnaa 420
ntttnacatn cnnagtnatt cccaatngaa nccctaaana acatgnaatt tggtanggnt 480
tnnctacnnt antgtcnnat ggaacncnan actnaanaaa aggtatnttt naatnnctcc 540
tnggnggtat cngggannct aaacnttggg ngcgcgcnta tganaatata gagcntatcn 600
tnatngaana cntatgaatg tatncntctg cttatgtnna ntcgtattat nactnngnat 660
attanatnaa tnntncnnnt tnntanntag atcntatgag tcaaacttgn tattaagnta 720
tnantactna tatannngan ncatcnagaa nnncntncac ananaatatt cacncgtgnc 780
nctatatnat ccganganna ntaannntaag ttnnanncna tntaantcaa ngtntaattn 840
nnttnnatat ttnggtnnnn gatttnnnna ntngtatgtg anttattatt acangacnga 900
nnaatnctnt attgnnttnn ngaannttta tnaataatat atctannant nntnttatan 960
catnnntnng tntncatntn tntnnngtna nagcgnnggn ttcatntaag cnantnttnt 1020
ntccaacgan nangagntnc nannttattn antatacatt ntntagntnc tnacttntaa 1080
natctcnnaa ttgatnangt anatgatnnt attntaaatc tntnattnnt canantttnta 1140
ctctattana nncancctan nntnatnnan tncatntaca tcnncngata cg 1192

<210> 2556
<211> 710
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(710)
<223> n = A,T,C or G

<400> 2556
nacctcgntc gantcttgct gtcgcccgga tgaagaggtg agctcccctt cgccccctca 60
gcgagcccag cgtggggacc actcttcccg ggagcaaggc cacgcccctg ggggcacttc 120
tcaggccaga cagattgatt tcccgctgcg gatcctggtc cccacccagt ttgttggtgc 180
catcatcgga aaggagggct tgaccataaa gaacatcact aagcagaccc agtcccgggt 240
agatatccat agaaaagaga actctggagc tgcagagaag cctgtcacca tccatgccac 300
cccagagggg acttctgaag catgccgcat gattcttgaa atcatgcaga aagaggcaga 360
tgagaccaaa ctagccgaag agattcctct gaaaatcttg gcacacaatg gcttggttgg 420
aagactgatt ggaaaagaag gcagaaattt gaagaaaatt gaacatgaaa cagggaccaa 480
gataacaatc tcatctttgc aggatttgag catatacaac ccggaaagaa ccatcactgt 540
gaagggcaca gttgaggcct gtgccagtgc tgagatagag attatgaaga aactgcgtga 600
ggcctttgaa aatgatatgc tggctgttaa cgtaaagtcc ctaatgcttt cttctncgct 660
gggtttcact aggctaaaaa tcttgccatt cagctnatga ggaatgcctt 710

<210> 2557
<211> 721
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(721)
<223> n = A,T,C or G

<400> 2557
taccnngntc gantccgtgc tgtcggaaaa tattagctac tcaaataagt aggcttctga 60
aatagtttta actgcaagtg tgttaacttg tgtggtggtt tgaagccatt tttccaaata 120
aagttattaa acaccacttt atgtactgaa gcatgaacag aaaaatcaag agctgagcag 180
accacctcct ttatgtaggc aaaacttcca tcattttggc ttttgttcta aacagaacta 240
aatgacatgc atagcatggt aacttacaga tcgcttaatt ggagtaaaac tcagagtaat 300
agagggaaat atgggctctt cagtgccttt ttagcttttt tgagttgaag acgttcctac 360
agatgtagtt taaacattac aaagtaggct tctttatcca aaaatcccaa tgtgtcatag 420
tacacagata gtttaaaata tgtagcccgg ggaaggggag gcatgtaaat gtcttgaaga 480
ggagaaaaag tatgaaagaa gatcgatagt taccaataat gtgtatgatg aggacatact 540
ttaaaaatgt aattcctctg tacagtaaat taccaaatct ttagggattt ttttgtaata 600
agaagaattt atatttgtaa tgggtctaaa gaatttttt tgtaatgngg gattataana 660
attttaattt gggaaccact ttataaacct ggtnaagaaa aaaattntng ccttctggaa 720
t 721

<210> 2558
<211> 736
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(736)
<223> n = A,T,C or G

<400> 2558
tgnacctcgn tcgantccgt gctgtcggga ctacaggtgc ccgccaccac acccggctaa 60

tctttgtatt acaggataga gttcttggaa gcctggcgtg gagggaggga gagcaggtag 120
cacagttaca gaaggatctt cgggatatgg aaatgcggta tttgtggaca ctcattcatc 180
taacacacat ttgttgagct cctaatgtgt atagaactga agggatggag tcatgggcag 240
tggaaaagct gaaattgtgt aaaagagaga gaaggatcag tggctatggt ctcgaagatg 300
acgtggaagt gtcagccatg acgggtgggg agtggcctgc tgctcctcct gggaagagaa 360
gaaggtgaag actcagggcg cgtctgcagg gagacagtgg gagctgtggg gtcgtggatg 420
acgctgatcc tgtcattagc atctgagcga ggtcacaggc atgtggggcc tcgttaacaa 480
tgcccggcat ctcaacgttc ggggaggtgg agttcaccaa cctggagacc tacaagcagg 540
tggcagaagt gaacctttgg ggcacagtgc cggattgacc aaaatccttt cttcccctca 600
ttccgaaagg gccaaaagcc cgcgtcgtca aatattcaac caaccattgc ttggggcccc 660
cattgggcca accccgggcc cgntttcccc gttacttgna ntcaaccaaa tttcnggggt 720
taaaaggctt ttcttt 736

<210> 2559
<211> 1347
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1347)
<223> n = A,T,C or G

<400> 2559
cctngncnaa ntctaannan atttggnagn ntgnngnaat ttatgnaatt ggcagattan 60
gattannntt tttccatttg gggnatttnn ngggtntttt nnttagcaat atnnnnnnnn 120
nnntaataac acnatcnant cgngtgnttn ttagccanca ngccccccgt tgagccnttg 180
tantttaaga natggtccnn cnttttattn tggaagtnnt nccacacntt tggntntttn 240
tgcaattnnt tattntnata ntantatata nntctttttt ngntnttnga gcatcttttt 300
acananannc tctnctatta atctnnttnn anattattnt annanttnaa tanannatan 360
ttatgattac tgtcgantna atacaccttt gtcncntnnc ttnnnaagct atctntcnna 420
cantgaacac tanntnctag tactaanacn ttanntcagt ntcttttnta ctngntnata 480
gtnctngant nnnntcnacn agtanatnnn ttagncntan cantagatct aatganntat 540
nttcgatntt actaggccta nncntatgat gtnttnnact aacnactttn ntangnnntn 600
atntangctt ntgtaagtnc ntatctantn ncncatannt ntatntnatt gaaannaatc 660
ttatctnatg aaaantatct tatgctattc ctngntaacg tgtnngnaat gtatgcgtcn 720
ctatnanata ggggatttta tactatgtna cataatntnn tagtactgnt atntatataa 780
angtanatct aacgctgtna tattcatacn nntatctatn tngtcgngta gcntagcgna 840
aannanncgt actaanaatt cgnngtntac atatatcgta tntantgntt ntnnngaaac 900
atatncgnan cttaatgnac ttcatnnnta cgnnatgttg tctgatcctt ngcgcacngn 960
tacgnnnaaa tcgattacta antntatnct atagtaaatg tatngtatct atatnnnatn 1020
annatctcta cacgtaagng taaanntnac nttactatgn ntnttatatt acnaaatctn 1080
atgcattcnt aaancgnctc gtatgggtac ntnaagcgat atgtnntngt atatntacgc 1140
aaacatagta tatattatnc natnttttta ataacattat catatatnat atatatttaa 1200
atncnanatn attatnataa natgtnaatg atanaatann gcanatgnaa gancgnnaan 1260
gnaaagnnag tnntcnctac ttatnttcnn gntggtatgt tatagctann tatatacggc 1320
anctangnan nanngaannc ntgtacg 1347

<210> 2560
<211> 759
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(759)
<223> n = A,T,C or G

<400> 2560
aaccncgntc gaattccgtg ctgtcgntan anatgacatc acncgtgtan gggtgaagcn 60
nggagancta ctcngntatg antaangttn naannngaaa tgngannnaa ntggaatttg 120
cnaaagtgcc tgccctataa tgttagaact ggaccagaaa ataggagttg gtataaaact 180
agaccancga gctttttttc cttcaagatg cagttcagtt tattgctttt gtaaattaga 240
gattgtgttt cttgatcttt attaaagtag aatacaatgt taacctactt caaattttaa 300
aaaatataca cacatgtata tgtatgtgtg tgtgtatata cacacaggat tttaaggaca 360
gttttttgtg tgtgtgttgt gcatgcgcac gcatgccaag gaaattgtta atcttctagt 420
acatccccca taacagaggc agctaccaat aagatctagt ctttgcctta cagaccaggt 480
ggctttacct gataggctca cagacattca gtagttcatt tgttcctcag atttctttaa 540
ttattgnnga taaagttgat atttaaattt accaacttta accatntttt aaatggnatt 600
antttatttg gccatttaan gtggtaattt cncantttgt tngnggccag ccnttcattg 660
gancaatccc atcntcttan ggaggttntt tccnttcctt ccntnaaatt gggaaatctt 720
ttggtgcccc caaaaaacaa attancctac ccccttttnt 759

<210> 2561
<211> 1097
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1097)
<223> n = A,T,C or G

<400> 2561
atttgaaccc cannggnaat ccgggaaatt tccngtntgg ccttggtncn agantgacaa 60
cctcgtcggg gaggtagccc cccncgtatt gtgagatant aaagacngnc ttnganacng 120
gnagnncntg gctnagggcg anaggaaang attgtcatcg agttngcagt ccgngaaaat 180
ggccgtnntc gtnagggcta gnnnantnga gagaggangt ctattttntt taagagatan 240
taataaanan tnttagnnct cnntagatgt ctcnatnagt aataaanant natnnnatcn 300
ngtnntatgn nacgngcatt ctgtataana tagaagcnta tatnntngca tannatacac 360
agttantcca tatctgtagn tnaanaatna nagtnctttg gangtnntta tncaanaact 420
ngngtcntna nngnnacatt nantattnng aagngaactt ntntaannna aatatncanc 480
tctcacaann ctnananant nanannntnna atatanatct ntnannntcc nnacanacnn 540
nanatannnn cnnnnctana taganaanaa tataattann gtngtnactt tangacanaa 600
ttncgatgtc annacatntc natcnaatta ttcantncta nnnaactnaa gnanncgtnt 660
ncnanagang agnanantna atannntatt nnctangaat tcattgtatt ncnatcacta 720
antatnaann nggtataaaa naaatnanat cactacttat tananangat naaanatata 780
aanngantna tattntatan ntatgaaann tatnatacnt attcactaan nanntnnant 840
annntaaact tntgcnnnnt aaacattctn anncatgcta tataaactaa gatatatgaa 900
annntaaagt anatctacgt natnacatac acannaatcn aatnttaact tanataanta 960
tnctanctta tagatctgta aataactnta tatttgctta acnangnanc agttactcta 1020
nctctctant atntangnct ccatattatg nacccaannt cnnnanatgt ccaancattt 1080
atcttaanta ntgancc 1097

<210> 2562
<211> 691
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(691)
<223> n = A,T,C or G

<400> 2562
ncntgctgtc ggttgantcc nanaaaancc aaacagttgc tgtcaataca actcccctta 60

ttttctctca agtcacctgg atcgtcctga ccccgggaac cccgtctgca gcaccaggcc 120
ccctccgtgg agaaaagatg gagccggatt aagcacccag tgctaaggcg actaagacgc 180
cactgcccgc aggccctgcc ggaaaatact cagagagtgc agcaggcgcc gcgattcctt 240
agaaagtgct ggcgtggcct ctcctgacac agaaagccgg ctcctggatg cttacaaagg 300
actggcccgc gcaacaccgt tgctcctcaa cccgggccac actccaagga cctctactga 360
gcttcagctt gctcaccgaa aacggcgcgg ccccctctac ccgggatgtc ggagcccagg 420
agaccctgag agcccccagc tctttccgta attgcaggag aaggggcaag cgggtccgta 480
gccgggggcc ctccagtggc attatcctga accgccacgc ccgcacgtgg cccggctaga 540
gctccctggc gaaggatcac ctgttcctac agtgacaact ggacctggcc cgaacccctg 600
gcatctggca acattattac cttgtcgaaa cagaagtaga gattgaaata gangatgcag 660
ttccatttct tctgctgtct ggaaggaatc t 691

<210> 2563
<211> 773
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(773)
<223> n = A,T,C or G

<400> 2563
gggctttcna tttcattnnc ctnntnaaac acttntctct gaanagcgtg ntaggactct 60
gcaggaagag gagaggtggt gtgagagcct ggagaacnnc tntcccaaac ttnncnccng 120
ctttnanaca gggnncancn atnnntgctn acgntcagtt ntntgatttt tcttcnttaa 180
ncaanattta ctnatatgcc tttnnttttg cntgggataa acncctanaa gcctntgata 240
tttgatnctg ctaatctatn ttcnctcttc tgcttnggan gacatggnca ctgtttccag 300
tattttacca atanctngac natcaacgtt ttcaacnttc tgancnaana tnaatnggcc 360
actgttttaa cntttcancc aaacnancca tgctcatctn aagnactatt gattgaagat 420
cgtcngcttg ncctnttctt cttgannaaa ttttcttgan ttggctaata tgtcccntcc 480
anacatctat nagcnaanga acttttgttn aaagaaanat ttccaaancc ttttтcnant 540
ttncccacct tgttttacca aggctaattt nttgaatnaa cgggggggaaa aaaanaaatt 600
ccanaccggn gtggcatttt tcttttccaa ttttggnaaa ccacccccct tntcagaaaa 660
anttttnttt taaatttttt taccaaaatc caagggtaaa accaaaaant ttttgncttt 720
naccctttg gttncaacnt tcnttttttc cccctaaacc ccnccaactt ttt 773

<210> 2564
<211> 709
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(709)
<223> n = A,T,C or G

<400> 2564
nnaccncgnt cgantccgtt gctgtcgccg agtgacagag acncnatact ntgattggca 60
atnaaatgtg aaacccannt tcttgggcaa gtcaaattct ggaatcacat ccacctaaat 120
taaaatgact ngctcgtatt ttccccatct tcaagtttca catcctggtc atcaaaagac 180
tcgacagcaa gacttagaat gaaaaagggt acttgtttat attaatattt tttacttgaa 240
cacgtgtagc ttgcagcagg ttcttgatga atgtgctttg tgtccaaaat gcctccccat 300
tgtacacagg tgtacatcat gcatgcacca acacctaaaa ctcaaaacta aatggctatt 360
ttgtaaggtt aatactttca gttaaacagc atgtttgact tgattccatc atggtgctct 420
taaattacat gtcagtgcat cacatatatc atgatctaat gcagatgact aggctttttc 480
caaaaggaag acagaccctc agacaccaaa agccaatcta aacaactccc aggtttgctg 540
tggacaatca gcatggaatg gtttctgcac tctcagtcat gaccatctgt atcttgntac 600

ctgctttctc tctcaacacc acagttctca ancctgacct tncagagaga gctnttggat 660
gatacaagan gaatcccagg gccccggatc taagatgccc cttaaaaga 709

<210> 2565
<211> 706
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(706)
<223> n = A,T,C or G

<400> 2565
taaccatnnt tcgantccgt tgctgtcggc cgccgcctct ncaagttctt gtggcccccg 60
cggtgcggag tatggggcgc tgatggccat ggagggctac tggcgcttcc tggcgctgct 120
ggggtcggca ctgctcgtcg gcttcctgtc ggtgatcttc gccctcgtct gggtcctcca 180
ctaccgagag gggcttggct gggatgggag cgcactagag tttaactggc acccagtgct 240
catggtcacc ggcttcgtct tcatccaggg catcgccatc atcgtctaca gactgccgtg 300
gacctggaaa tgcagcaagc tcctgatgaa atccatccat gcagggttaa atgcagttgc 360
tgccattctt gcaattatct ctgtggtggc cgtgtttgag aaccacaatg ttaacaatat 420
agccaatatg tacagtctgc acagctgggt tggactgata gctgtcatat gctatttgtt 480
acagcttctt tcaggttttt cagtctttct gcttccatgg gctccgcttt ctctccgagc 540
atttctcatg cccatacatg tttattctgg aattgtcatc tttggaacag tgattgcaac 600
agcacttatg ggaatgacag aaaaactgat tttttncctg agaaaacctg catacagtac 660
attcccgcca gaagnggttt cgtaaatacn cttggncttc tgatcc 706

<210> 2566
<211> 708
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(708)
<223> n = A,T,C or G

<400> 2566
tgaccnttnt tcgantccgt tgctgtcgct ctccgcagtg agaacctgcc ttggctcccc 60
tcccctcaag gagttcatag ccgtgggagg gagggagaca agaactgttg gagacaagaa 120
ctgttagaga ccagagagca agggcgtgat gtggtctgca gggaggaggc tgtctgaggc 180
agaaccgggt cagggaggcc atggtgcggg taccctccag gcacggcatt tggcctgact 240
tttgaggggt gcccagggtt ggctacatgg cggggcggag gtatctttag tgggggaaca 300
gcgttgtgcc accaggaggg gtctctgtct cccaggtaga ggaattctcc atggtgagag 360
gtggtggtgg gggatggtct agctgtccac tcttgccccc tttcggattt ggaaggaagc 420
cccatgctgg gtccacactg gtatggcgta ttaattaggc agctgctttg tctgggaggg 480
ggctttgtgt cgagtctccc tgaatgagca gggctggcga cagttgtcaa aacacatggt 540
gcttggtcag agcccccgta gaanccttg tcctccgcat ggcctccnct gcacccgggc 600
gtgggaatgt gctcttgtgt gtccctggct gtctgcttct ttttacactg gccccttcaa 660
atnganggggg tgggggtaca ngggttnctt taaaaancan acacttgg 708

<210> 2567
<211> 709
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(709)
<223> n = A,T,C or G

<400> 2567
gacctcgatc gaattccgtg ctgtcggtga ggagaacatg gatatggatg taatgtcctt 60
ccctttttgtt ttctttgcac aaatttcagt ggaaacatgt tgccaagtca gatcgccatt 120
ctacttgagt gaatatggaa tttgtccagt tttccaaatg cagagctttt tgtgggctga 180
tggactgaat agaaagagga acaaccatac acccttctac agatgaaggc aagattttat 240
gaaagcgact tcattcgttc tcctctgcct ggtgttcctt ctttgtaaac caggaccagg 300
gagctttgaa tatagcagta tattatagaa tttggtttca ttaaatatta tacctgccct 360
tagtgtttat attccagtat attgacaacc caggtcctct ctgtacctgt gattgtctgt 420
gttgagacta ttacagagct ccaaaaatta aaataaaaat aataatttta cagaaataca 480
tatttgcatt ggaatattta agaaagttga gtttggatgc cacaagatta taggagtaat 540
aggaagctgg gcacagtggc tcacacctgt aatcctagca ctttgggagg gtgaggcagt 600
gaggcaatag gattgttgga gcctangagt ttgagaccan cctgggcnac ataaggagat 660
cctgtctctt cattaagtaa atttaaaatg aattaactgg tggngctgt 709

<210> 2568
<211> 1078
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1078)
<223> n = A,T,C or G

<400> 2568
agnggncgac cccccntttt ttgggnggaa aaaaaaaaaa acccccccng gggggggggc 60
ccttgggtan canaacatta ccctngggnn acccgnncgg gncnaanagg agnnccccnc 120
nccaaangnt ttaaanggtg gtngtggtnn atgcccnaac caaacaannc ggngaaatgn 180
atggnccttn naaaaacacn ncaatntttt tttttntcaa tgggtntana tacnaagcgg 240
naanaatcan nnacagngna acangggngg gggcgccana ttncntagac atngccnanc 300
taggcacccc ncctattatt tcactgggaa atnncnaatc agnantatna accacttccg 360
ggtngccnat gataagaaaa aaaattannc nnagtncggc atggngnact atatgnatng 420
cgnaaatnca nnaagtaant aagaaacnag tttttcanca ttnaaagcta ccnctcttgn 480
anagnaancc acangctgaa tatatctgaa tgntcangan aanantcaga ttaaatattn 540
ttggagcnnn tacatagacg catnangnna gnnaatcacc nnncaanaga ncnnnnaaac 600
anacacntca ccnnnnananc tgacncacan cnncganaca nacacgnngg acagaganca 660
gnannacatc acccacacac aannnnanat aancgananc agatacngtc gnanacnaga 720
cctctcgtcg ncgacgnnnn tgatgacacc anacatgcaa ntgcaagana nncaccagan 780
ctcnaacaaa anatggatgc aacacgcacg acgnacgnna gnnagaccct acacncntgn 840
atgnaagata cnnntnccnn acanagntat naacggacct agangancnc gcatnntctn 900
ttanaaagcn ncgaangctc ccaanntcaa ngnagnngng anctcacntn cgcataggat 960
cnaaaancgc acggaannac tagancggct agnctangna ntccacgcna ataanacatn 1020
actcannngn annnnanncn nnnaccacag ctatanacnt gncgtaaacg tancgcgc 1078

<210> 2569
<211> 1452
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1452)
<223> n = A,T,C or G

<400> 2569

ccttctnttt taacnnntat ctntanctaa anattganna gatnaanggg ttatngataa 60
tnggatantg tatnnttnan gggtatnncn aacnanttat nttnntgggn ggtngtanan 120
tnnanattaa ncttaatnta ntnngataat nttnttncat ncnaagaggg tgtananttt 180
aatctttggg gttttattng taantataac nngaagcnta ncataagtan gntanntnnt 240
nnnntcaaag antacccatt ttannaatnn cnnntggggg ganatatata ttagtccccn 300
cgnggaangg nccccccttt gtttgatggn ngtnatntta cttatcnnta tgtntagnta 360
tgntncnnnn atatntanta tatctagnta nntaannnat acatatctac cntatagtca 420
naaatngngt acattttttt tnatnntnnn ntanttnact aantatacta ctantaaant 480
tnntatacnn tnntaatnta nacannnacn gnacnntant taanaatatt cntcatncat 540
tngataataa tntttnaanc ncnatanttn ttatatantg antattgaaa catanatntn 600
tataactatn ctagncntta tatncnaaaa nannngtcnn attatncatt ctattngact 660
antttatacn nanananttt tatnacattt ttcannatct ntntantana nttnaatcta 720
aattnttncn ataannntnat nttangatnn taacgtntta ntatntaatt atnaatatnt 780
antantntgt aatantaatg atttaanatn tttnaagata catngaacta tcgantatta 840
attatgtant tatctantta atacnaaagt tatatangga atnatntctn tcaatatnaa 900
tggtanaata tatacttant acgtaattaa atanataata taaatgnaca tatatnaang 960
tacnctatnc actctnanta tagtnttana tanaatacta nttnatcgat atgtnatcgt 1020
tannttatnt actattatat attctntgan ngtattntta ggtntntatc ttatnacagn 1080
nnatgtaaac ntatctctaa tantntntna gtannntatc ntnntatnta cttatctaat 1140
ctatattaat cnttgttatt ntnccttnct gtactatgtg atatntatna tanantactt 1200
ganaannata tntatgaaaa ttattatatn natgttatta tannntgata tantacatat 1260
nttatatann aactntattn tnctantctn tgttacanan nnntatagan ncanagtnta 1320
nntaagntat cganatnnta gatannttat gnnatngatc nctatcnaan atanccgtnn 1380
ntgattntac natatntaat ttnatnnata ngtatncaan cntattnacn atatnatnnt 1440
ntatcnatta nn 1452

<210> 2570
<211> 761
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(761)
<223> n = A,T,C or G

<400> 2570
acncatcatc cgnntgcnct tntanncccg ntanntcttt antgtctgca cntgnaanca 60
tncnttngga gctccncnat actanggana cgccnctgac gctacnaaca ncnagatgaa 120
atatgtatnt atgnangccg atagnggccc nncatggtca aaanaccgcn cntaacgccc 180
nngantnnat atctggcttn ntcccatnng tgncnncgtg caataactna gctgncnnct 240
gtcnantccn ntnntnnant nngcnagntg agtnntagtn tttggcattt acagtntttt 300
antatttaca gttgatgatg aaanattcgt gaggtgctgc caaatataca tcaaaaggtg 360
gagcttgtnt ggccaactng ccacctgatt taatcaacaa ctactagtgc tgagatgcan 420
aaaggggaa aatggaggaa ttatggacca aagtctgtct ttatagatga cantcacagg 480
acaagggtta ggctttgact tgcagactnc tntctttgct ctggncaccc ctgttnacca 540
caagccctna attggggcnn ttcanaantt atntcttggt nggcccgggc nccggttngc 600
ccacattctt gntattnccc tnccccttt nggnacngct tttaancnnt gnttaaaanc 660
aaacgntaan gtccagggna anatttttat tanccnaanc cngggccnna tntgtacgct 720
tgaaaanaat cnctttnttt ataccaaatt catcnccacc t 761

<210> 2571
<211> 704
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(704)
<223> n = A,T,C or G

<400> 2571
taccacgatc gantccgtgc tgtcggagtg acctgttctc ctgagtgctc tantgtctcc 60
agttgtcggg gggaaagatg atggagggga acagaaactg gacttgatgt ttgcggtttg 120
agaggcaaga aaataaaata actttctacc tctaaattga ggcttaggag taaaaagcat 180
tttgtcctaa atttatcatt taaaatagca tcagtaactt ttgagctcat gtcaatcaag 240
cattggcagt cagagatttt atagggaaga ctaagtaaat ccagtttcca agaacctaaa 300
ctgattgagg ctccaagagt cagaccaaca aaagttttat tctgtgttgt ttactggtaa 360
gaatattatt atcttgatac tacctctcaa gggtattgtt acaaaatgcc acttatggtt 420
aaagagatag atacaaagag ttctatttga cagaagcttg aaactctggc atctatctgc 480
ccaacgatgg gggctttcgt tctgtaattt aatcctttgt agatcattat ttgtgtgtaa 540
ttttatacgt gttcatattt ttctcatttt gcattgngta aagtgtacaa aatctcaaag 600
tatnaaatac tgcttatatt gcttgtaatt acagngtgta aatattttct aattgggtca 660
ttgatggggg ggacaagtgg gttttcangt ttttttttaat gccc 704

<210> 2572
<211> 1078
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1078)
<223> n = A,T,C or G

<400> 2572
gaatatngat cttgtgtant cggagaagag gtgngctccc cttngccccc tcagcgagcc 60
cagcgtgggg accactcttc ccgggagcaa ggccacgccc ntgggggcac ttctcaggcc 120
agacagattg atttnccngc atgcggatcc ctggtncncn aaaatagttt tgtttgaatg 180
cnattctntt ttngngnngg tacgtntttt nntttnttcc anttaacatt cttntnntat 240
nnananaaaa atntattaaa aggtngntat cccattatta aaaaaagnag aacntnttgg 300
tannccttgc angaagaaag ccctggtnaa nnattcccat tgcnnancnc ctaaaaatnn 360
gnacttttt cgaaaacana tnccnnttat ggactnnttt tgttaatttt ttttanaaaa 420
attatggtan ttaatttatt attngtaact natnctgnta tnnattaata tnnctatgat 480
atantncatg tngcctacnt ntaatanttn ttantatttg tnnnacnatt atttttcctn 540
ttcnactnnn aantctttct aanatttgat cgtnnatnaa ttnntatttt tattattatn 600
natgatttaa gttcttttat ttttttatt naatattata tattnttaat atcttatctt 660
ntctnttnag anntatattn atntgttaat tatttatagt antatatact tactctaatc 720
actnnnactn nttnnttatn ttntacatnn ttnctnntta taactatant taatatatta 780
cattaaatgt attanngaaa tataattntc nntatcttat tttannanac gatantatnn 840
tattntacgt atgaatatan tnagaaatnt tatttatgct ttanataata atctttngta 900
ntttatttaa tnatanttat tttanaattt ctaatgatnc tntatacatn gtcnatctta 960
acatatntta gtntatnaaa gatttgtaga tntaannтaa gnctttcntn gtnatngnat 1020
ctaatntatn tctntatnaa antatantaa gttangtnta tctctatgct ntnnancn 1078

<210> 2573
<211> 1060
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1060)
<223> n = A,T,C or G

<400> 2573

ccnngtcntn nannntntnn ntanaannat tnnntnannn ctntnttcna anataatnaa 60
ntntatnatt ggggngnanc atcntaantn ntntatagna cntcatnncc acnnannnng 120
agngttatat aatagntatn nnntntntna tnctgntnnn nnnnnnnnnn nnnnnnnang 180
ataaacantn ntcnantccg ggggctgtna ttntgcactc cagcccncng ctaataagta 240
gggaaactcc gtctcaaaaa aaaaaagtan ccatantcnt nngggaagac cttacngnag 300
agacttgtga gnggganacct gaaggaaatg aaaagggaag gagtctgtnc tgatntctag 360
gaggaggaat nttccaggcn gacggaanag aggcacaatg tctttgagga aggggcatgt 420
tgggcatgtn cacaggacnn nnaggaggcc aaantgggtg gagcaaaaga gcccaggggg 480
agaggnattn aaaggaanaa caggccaaat ggccataaaa tnttgttngc cttgatgggg 540
acattggccn tgaccctgat caaaataggg ggtgacaggc nacagggaaa ctagggagga 600
ggcttgngng ctcgncattc atttgaggan acccntatca tgtggaaact actgtgnaat 660
annnttttgg ggtanntccc ttttaaaaaa acnnngtcat ttttccggtt tgngcncctt 720
gtgggcttna cacccttnta aatncccnaa ctaatttttn gggaangccc aaagggttgg 780
ggncaaaaat caancnntgg aaggtncann gaattttntt aaaaaanctn anctctttga 840
anccaaanna tngngngtaa aaaaaacctt tcnngnnnct tttcaattnt atagaanaat 900
taccctaaaa aatttttctc ctttngtaaa annggtgngt aggnacnnca aaataaaccc 960
cngtgagaaa attnccccac annnttttac cttttgnggg ggaaaaaaaa tgaaaanggc 1020
cccgngnnna aaaanaattn cgnctcttna gaaaaccccc 1060

<210> 2574
<211> 737
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(737)
<223> n = A,T,C or G

<400> 2574
aaccacgatc gantccgtgc tgtcnggnna tnaataattt atggacactg ctggacctca 60
gtctcctcat ctgaaagatg agtggttgga gaagtttaat ggttttcaaa tgctttttt 120
ttcagtcttc aaataagtgt ttacgtagaa gcaccatatc tgaacaggtg acagtggacc 180
agtctgaatg aaatgagggt tggcaggcct gagctccaaa accttctgat tgcccaagcc 240
ctccttgtct tgcttggatt atctccacac aaatggagaa actggacaag gtggtcatgg 300
aggtccctga aagctcaaag actttctcat tccaggattc cccatgttca tatgccagca 360
tggcatgggg gtgctctgta gtcaagcagg gtcctttggg gggcttangg atggagccag 420
gaaatggctc tgggactcag cgggtgtcca gantctcatc agcanggttt ctttactttc 480
actgagtggc tggtgcctgc acacttgagt tttgccagct tacttctcac aaaantgagc 540
tttnctggaa gccccccaac tgnaaacccc ttttccnttc ctggaacctn ggtnccgact 600
tggnggncct gaaaccaccc caaggccctt ttccccantg ctgntggaat gggncaaact 660
tttttttgc acccctccnn ggtttgnccc aaatnnaacn cttgataaaa aattnctnga 720
agcccaaaat gccctcg 737

<210> 2575
<211> 706
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(706)
<223> n = A,T,C or G

<400> 2575
taacnttnan cnantccgtg ctgtcnagag gagaacaaac tggttgctga agccatggtt 60
tccctgggaa ggtggaccca cctgtgcggc acctggaatt cagaggaagg gctcacatcc 120
ttgtgggtaa atggtgaact ggcggctacc actgttgaga tggccacagg tcacattgtt 180

cctgagggag gaatcctgca gattggccaa gaaaagaatg gctgctgtgt gggtggtggc 240
tttgatgaaa cattagcctt ctctgggaga ctcacaggct tcaatatctg ggatagtgtt 300
cttagcaatg aagagataag agagaccgga ggagcagagt cttgtcacat ccgggggaat 360
attgttgggt ggggagtcac agagatccag ccacatggag gagctcagta tgtttcataa 420
atgttgtgaa actccacttg aagccaaaga aagaaactca cacttaaaac acatgccagt 480
tgggaaggtc tgaaaactca gtgcataata ggaacacttg agactaatga aaganaagag 540
ttgagaccaa tctttatttg tctggcccaa atactgaata aacagttgaa ggaaanacat 600
tggaaaaagc ttttgaggat aatgttctaa actttatgcc atggngcttt caagttaatg 660
cttgngtctt ttggcagaat aaactttcaa ttattaaaaa ggactn 706

<210> 2576
<211> 712
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(712)
<223> n = A,T,C or G

<400> 2576
tacctcgntc gaattccgtg ctgtcggacg gaaaccatgt ttgtggctcg cagcatcgcg 60
gcggaccaca aggatctcat ccacgatgtc tctttcgact tccacgggcg gcggatggca 120
acctgctcca gcgatcagag cgttaaggtc tgggataaaa gtgaaagtgg tgattggcat 180
tgtactgcta gctggaagac acatagtgga tctgtatggc gtgtgacatg ggcccatcct 240
gaatttgggc aggttttggc ttcctgttct tttgaccgaa cagctgctgt atgggaagaa 300
atagtaggag aatcaaatga taaactgcga ggacagagcc actgggttaa aaggacaact 360
ctggtggata gcagaacatc tgttactgat gtgaagtttg ctcccaagca catgggtctt 420
atgttagcaa cctgttccgc agatggtata gtaagaatct atgaggcacc agatgttatg 480
aatctcagcc agtggtcttt gcagcatgag atctcatgta agctaagctg tagttgtatt 540
tctttggaac ccttcaagct ctcgtgctca ttccccccatg atcgccgtag gaagtgatga 600
cagtagcccc aacgcaatgg ccaanggtca aaattttgaa tattaatgaa aacccccagg 660
aaatatgcca aaagcttgaa actcttatga cagtcactgg atcctgttca tg 712

<210> 2577
<211> 993
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(993)
<223> n = A,T,C or G

<400> 2577
nncncttatc gantccgtnc tgtcgggaca ctttgtgant cccattngan gangcnctgg 60
tgtgtgngng ggatgaggtg ctggtgtgcg gatggatgag gtgctggtgt gtngntggat 120
gagatgctgn ngtgtggatg gatgagatgc tggtgngtgg atggatgang tgctntgtgg 180
atggatgang tgctggtgtg tggatggatg acgtgctggt gtgtggatga ggtgctggtg 240
tgaggatgga ccacnttnng gttttcncgt ttnggcactn nggntgantn cnctttctg 300
ctcttgcant tgnnncctgc gaaanttcnc cggacanntg catacatctt tgtatgcacc 360
ggcatcactt tgggnanatg attncgtncc tcgtgtnngg ttngggaana nannatatat 420
aaatgtnctc ttntcttaca tnttatcntt nncaccccnn ccntntgnng ctcccaagnc 480
nattnacctc cacctgnttc tatccntccg cncgantgtc gtnatncaga gggngatccc 540
actcaacntt tttnggatct ccctttcnaa gtctttnnat nantccttnn tcntttnctt 600
ttgtaagtct ntnaatgnta gctctccana aatattctnt cccttgcggn naaaaaanan 660
anngaccctt cacnctttcg nggctntgag agcacacntc aactcctctc ccccatcttt 720
nctnttnttt naacnnctat attatcncta ttatcactct ntggtaagac gtnaccccnc 780

tnntaaccan tatnnctttn cgtnnatann aaccnnctct ttatcattag gggactcttt 840
ttntaganat aatntcttac atangcacgc ntnnaaaata ntacactcgc ggtcnnncac 900
tctantannt atncaactnn ccccncccccc cccctntctt cntcnnnccc ntcttnnttg 960
cnntcttcng tntttntact tccnatntan ncc 993

<210> 2578
<211> 675
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(675)
<223> n = A,T,C or G

<400> 2578
ttttnnnccc ntgaantaaa aaaactagca cantcnannt tgctnnntga agataagaac 60
cataacatgt atgttgcagg atgtacagaa gttgaagtga aatctactga ggaggctttt 120
gaagttttct ggagaggcca gaaaaagaga cgtattgcta atacccattt gaatcgtgag 180
tccagccgtt cccatagcgt gttcaacatt aaattagttc aggctccctt ggatgcagat 240
ggagacaatg tcttacagga aaaagaacaa atcactataa gtcagttgtc cttggtagat 300
cttgctggaa gtgaaagaac taaccggacc agagcagaag ggaacagatt acgtgaagct 360
ggtaatatta atcagtcact aatgacgcta agaacatgta tggatgtcct aagagagaac 420
caaatgtatg gaactaacaa gatggttcca tatcgagatt caaagttaac ccatctgttc 480
aagaactact ttnatgggga aggaaaagtg cggatgatcg tgtgtgtgaa ccccaangct 540
gaagattatg aanaaaactt gccagtcatg agatttgcng aagtgactca agaagttgaa 600
gtaccaagac tgtaacaagc atatgtggtt acccctggga ngagatcaaa accacctcga 660
ggncagtggg aatga 675

<210> 2579
<211> 667
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(667)
<223> n = A,T,C or G

<400> 2579
tnncntgctg tcgattacat nntncngctn aggcgctggc agctgaagag cgtgttagga 60
ctctgcagga agaggagagg tggtgtgaga gcctggagaa gacactctcc caaactaaac 120
ggcngctttc agaaagggag cagcaattgg tggagaaatc aggtgagctg ttggccctcc 180
agaaagaggc agattctatg agggcagact tcagccttct gcggaaccag ttcttgacag 240
aaagaaagaa agctgagaag caggtggcca gcctgaagga agcacttaag atccagcgga 300
gccagctgga gaaaaacctt cttgagcaaa aacaggagaa cagctgcata caaaaggaaa 360
tggcaacaat tgaactggta gcccaggaca accatgagcg ggccaggcgc ctgatgaagg 420
agctcaacca gatgcagtat gagtacacgg agctcaagaa acagatggca aaccaaaaag 480
atttggagag aagacaaatg gaaatcagtg atgcaatgag gacacttaaa tctgaggtga 540
aggatgaaat cagaaccact tgaagaattt aatcagtttc ttccanactc cacagatcta 600
gaactntttg gaagaacgaa acctagaggg aatggaactt gaaanacctc attnctgatn 660
agacttg 667

<210> 2580
<211> 704
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(704)
<223> n = A,T,C or G

<400> 2580
taacctcgnt cgattccgtg ctgtcgttan accaagatag ccaagtggaa cctgcaatca 60
agaatgaata agaatgaggc tatagtgatg aaagaagcaa gtaggcaaaa aactgtagct 120
ttaaaaaagg catctaaagt ttacaaacaa aggcttgacc attttacagg agctattgaa 180
aagcttactt cccaaattag agatcaggaa gccaagttgt ctgaaacaat ttcagcttcc 240
aatgcctgga aaagtcatta tgagaaaatt gtaatagaaa aaaccgaatt ggaagtacag 300
attgaaacaa tgaaaaagca aatcattaat cttttggaag atctgaagaa aatggaagac 360
catggaaaaa attcatgtga agaaattctt agaaaagttc actcaattga atatgaaaat 420
gaaactctga atcttgagaa tacaaaatta aagactacac ttgctgcttt gaaggatgaa 480
gttgtatctg ttgaaaatga actctcagaa ttgcaagaag tagaaaaaaa aacagaaaac 540
ccttattgaa atgtataaaa ctcangtaca aaagttgcaa gaagcactga aatagtaaaa 600
aagcagatgt gaaaatttgc ttcctaaaaa ttacccatta ccaaaaccca aaataaaatg 660
ttagaagatg aaaggcccat ggagtctcac tgaagggtta gagc 704

<210> 2581
<211> 1252
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1252)
<223> n = A,T,C or G

<400> 2581
nnaacnnngn ncgaattccg tgngctgtca gccgccgcct ctccccccna cactgnnccc 60
tgcggtgntn gaaaacacca cctgatggcc atgganggct acnnnnagca accggggtng 120
ttctgtcaat atcaantnng attcattaat ntnctgacat tactggacaa gatggnacnt 180
gccatncana aagctagtng ttntntcnta ttntttccta atacnacnga gnnanactan 240
cntatnnntn ccnttntgnc nngatttang nnnncntnnn aatnntaana atcntcnana 300
tnatcttnan ncntnatnnn ttctananna ntnaacatta nattacaann cttacaaant 360
ccanantnna atantctctc tanatagaat atggcaataa tntatnctat cgtnngtagt 420
tctcatantt atcnantgct natatnnagt ntaactncca catactantt canactatat 480
nnctatcanc tcactctctn ttacggntcc tacntaaaac tcnatacntc tctatnttnt 540
antatctatc nctctntnta tatntctagc cactnnnnct tancctcata aagtntnaat 600
cacannntnt ntntntgatn tcttcatata gagctaanct ancatatant atttcataat 660
atcgagtatn atncnganat ctcgntctta ntactnngna tatacacnac atatatccnt 720
nantccaatn attannnanc nctatatanc natctctant cncactattc tcncgctgat 780
nacantagaa atacnnatat ancacctctn tccnananat tntcnacnca tctnacatcn 840
nttgtactcc actactnaaa acnngnacat gtcatctata ntantctntc tatatacagt 900
nnatnctcna atanactcgn ctttcanaaa gntnanacga tanatgannn tncnnacnca 960
taatcttnac ctactactca natgganntt gctctnataa taccagncga tggncncatt 1020
tcacttttnn tacactgatn tctntatact naaanannat agtatgttca tgntactcac 1080
ncatntncaa ttccanatan tgtntgtnnt atcgtncacn tctgagatcg atctnatana 1140
tancnantcg cnttatncan actcnaatcc tagagnccat cactccnacn ntaantatat 1200
ctntacatnt gatggcgntn tcncntntct atctntcana aacnagatng cc 1252

<210> 2582
<211> 1306
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (1)...(1306)
<223> n = A,T,C or G

<400> 2582
cctcttcccg nnngttntnn tcntntgaat gtnntntatg ttntgtgtnn tantgntntn 60
tntgttctnc atngtgtttc tgtnntttgt aantacnntn natatnantt gtggagnnan 120
ataacnatnn natatnantt ctngatgatn nntnncnnna ttaancntga tcgantccgg 180
ggctgttntt ctccgcanag ggcccctgcc ttggntcttc tataagacaa ggngtncata 240
atnngggnat gaccttgaga caanaactgt nggngacttt ttctgccata gaccagatng 300
ctatggntga atataatgtt ttgntncgan ntctannatg catanntgnt tantctnttt 360
tcggnnngng nnnnatnnng tcgttttntt tnatttctca tnaatnctnt nctctattnn 420
cttatngngt gtnncgtgnt tcntgnntan ttntgtngnt cttanaagtt ttnanaaatt 480
ttngntntga anttacnaaa nnttgnttnt gannttnttn nnattgtnta nancnntntt 540
tccatntnat ttttatccga tatnttntnn tcntttcntn tgttctctta ttngatttat 600
anttantnna ctgtntctac attntatnag attctagtct gtatgattng nantntcnnt 660
anattatgtt ntcnggtgtn ntgtaanaan nncangttat gnnatgataa tttagnnann 720
tctggtcnnn acatctttnc nctaactatn tntntgtctg tgattnnanc nntcatantt 780
tngantttct ttcttttnng aattaatatn nntngantgg tgaatgnnca tatcaccntg 840
cgcntagcta cttatgtacn ttttcctcta cagcacnctt tcatacattt atatagatca 900
gnannntatn tngattngca ttctatagtn tgngtatttc ctctaactct ctntgtgnca 960
acattgcgtc tntnnntaan gatntacata agcnatanca tnnnattntt nttnntcgtt 1020
nttgttnntc ntcnntggta tntatatnnn tcttatagtn anttntgtna tnantaannt 1080
cttntnatan tatcatagct tttagggtnt aatantacgn ggntatntcn nttaccttag 1140
tgtantatat natatntnnt aatacatttg gngnctgngn acntnncctt ttnnttatct 1200
atatctatga ngngtntcca tatnanccnt attgngatag gggtgntctg gtggtnacca 1260
ctnnngantg tctnttatat nttntnantn tntnacnatt ctctnt 1306

<210> 2583
<211> 728
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(728)
<223> n = A,T,C or G

<400> 2583
tacctcgntc gantccgttg ctgtcggaaa cctcaacaga cactgccgta acgaatgaat 60
gggagaagag gctttccacc tcccccgtgc gactggccgc caggcaggag gatgccccca 120
tgatcgaacc acttgtccct gaagagaaaa tggaaaccaa gacggagtcc agtggaatag 180
agacggaacc caccgtgcac cacctgccgc ttagcactga gaaggtggtg caggagaccg 240
tgttggtgga ggagcggcgt gtggtgcacg cgagtgggga tgcttcttac tcggcgggag 300
acagcgggga tgctgcagca cagcccgcat tcacaggcat taaagggaaa gagggctctg 360
ccttgacgga gggggctaaa gaggaaggag gggaggaggt cgctaaagct gtcctggaac 420
aggaagagac agccgctgct tcccgtgagc gacaagagga gcagagtgca gccatccaca 480
tttcagaaac tttggaacaa aaacctcatt ttgagtcctc aacggtgaag acggaaacca 540
tcagttttgg cagtgtttca ccgggaggag taaagctaga aatttccacg aaggaaatgc 600
cagtagttca cacccgaaac ccaaaaccat cacatatgaa tcatcacang gtcgatccca 660
ggccccaaga tcttggaagc ccaggcgtgc cttgatgagt gccacagacc gatcaccttc 720
ttgaaact 728

<210> 2584
<211> 710
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(710)
<223> n = A,T,C or G

<400> 2584
agccttntnn atcccgtngc tgtcgctctg tttctctggc taatgtattt ttatcacacc 60
caagaaattt aacgtttata agatgtaatc atttaatata ccaaccatgt gtatactgct 120
tcagttgctc ctcagattcc tgaatctaat cagatataac actttgcatt ttgtttaccg 180
gtctctctag tcttctgtaa ttttcccagt tttttcccat aatactgatt tttttttcag 240
cattaaagct agctctcttg tagagtagtc cacagtctga atttatctga ttgtttcatg 300
attagattca gattaaatat ttttggagaa atacagcata ggtgattttt tttccctgtt 360
gcattatatc aggaggcatg aaaggttagc ctgcatgatt attggtgatg ttaaatttga 420
tcacttgatt aaggtagagt ctgctggtag aaaacatacc tttgaaatta aaagttatca 480
gtaaccaaag attatcttgt tcaatgacca tctctcatct aataggtttt gtcatttatt 540
tatgatcctt gccagaatca gtgattacct tagtggttgc aaaatattga ttttctactt 600
caagagatgt gttaaaattt ctttttaaaa attgttaccc taagatggcc cttggctata 660
gtaatcattg ctctttttat ttanaatgga ttaggaagtn tgtgagaagn 710

<210> 2585
<211> 1453
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1453)
<223> n = A,T,C or G

<400> 2585
ctcgctccnt atnnanttnt aannctgtgt nnctatgtat gntnganata tcntctantt 60
nggattangt atctattgan tttttttnta cnggggtcnt attnacntat tnctntttac 120
ancatggttn ntnnntnntt nnttaccnng atcnannccg gggctgtnnt tgttcaccga 180
gatgcgcctt ctgggacact tccccttggt gccatcatcc ctgctcctna ctttncttcc 240
tctccccttc ccatgngatg tgntgcttga tttgttttac ccctcncant tttttnatan 300
tantctntnc aatanncant ntatancttt antntcnact ttntnanact atnattttct 360
ntcnntaact cacttntatt nttncntttc tatgatgaan ntttnttnta ntncgatttg 420
acnagntntt atgataatct natactactc tcntaatata tnanntntng ttttatnttg 480
ttacctngta tcnncttact tatnttnact ntacntatct ntntctantn tnntatttaa 540
ttcctanact attctaatnc gcatcnttct attgtantta tttaatgnnc annttngtcc 600
tncntctcta tacacancta ntacattant nntagntaac tatcnnnnnt attntctgtc 660
cgtntttctt cnttangntg tnnntcanat atgatnnctg tttgncnact ctgactatcn 720
gnacattttc tnggtattcn cacggacnct cnctcntcat nttcatnaca nncatntatn 780
ctatactnta ncttacnaat nantacnntt ntcanatatn cnatcntncn tatagtntnt 840
tatnttatct ataantaatn taagtacntn attcttttta ctgtcncnaa acaatgccat 900
gntatctacn tcatcnatta tnttntctnn tacnantgta ctatnntctn ctctatctaa 960
atnatntctt cnaanncgta tagntatctt aatntantnn anataatacc tatngntant 1020
acgtatccta tcaanatnat cgnnacncnt tgatctgtta tnttantnta ntaacatanc 1080
ttcntatcta ngttaagnat gtatatatna ncnnacatna nntattctat gcntaantat 1140
cttatnntat tanntcancc nctctcnctn tcntatactt tcntaaacgc actatatnnt 1200
gtanatntaa ctaanctnct ctctatctat gttcacctnt tatanaaatc tatcatacna 1260
ttananntcg atngtatcta tntctnttct catacttngt ntctgnaacc ctnttaccag 1320
catcacttat ttctngatna nctatntaat ttccgntacg ctanncntnt atgtaatntn 1380
nttnnnaact natntctcan cccnctcnta tctaaanngt tacncataat ntacctgtct 1440
cncgnncatn nnc 1453

<210> 2586
<211> 711

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(711)
<223> n = A,T,C or G

<400> 2586
tnaccacgat cgantccgtg ctgtcgaaat tttccagttc ttttttcagc ttctttattt 60
cctcctaatg gaaacattat ctttaaaagt tgcatatagg aaatatacat attttacgtt 120
tgaacaagga gatttaattg taaatatgaa agccaaagta ttcctgaatg gtcaaataca 180
gcaataaagg cagaagaatt aagatttttc tttgttccat tgtacagtgt aaataactaa 240
gttgttaact gtcaagtcca gttatgtatt ctgtaagttg tgttctagtc tttgactaaa 300
atttatcatc tcttataatg ggacttaatc tttctctaaa agcatataag agcttgtcaa 360
tagagcaatc aatcaaaaag attttgtgat tcataacatt gaagttagtc tggttaagag 420
ttttggttta gacttcattt atattttcct tactaatatc taatatttaa tgaataatga 480
tcaatttttt ataaagttat taatatgatc agggaaacct ttgggacttc tgacaggcat 540
ctggtgaaga gacaattcaa gccttagtga ctatttagaa tagccagtga tcactagcta 600
attctcatat ccatgccttt ttgtcctgtt tacagtctta aaagangtaa aacagcaaat 660
atttttttaa gggactatac cttaaggatt cctgaaaaag aatttcaaaa a 711

<210> 2587
<211> 704
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(704)
<223> n = A,T,C or G

<400> 2587
taccncgntc gantccgtgc tgtcngcctt ttaatagttc cagtgaggtg agagctggat 60
gaggtgggta caacagaatc atcaaaaatc tggccgttga tgggacctca gagtcacttg 120
aggaagcaac atttgagcag catctaggag ccttctggga aaagatggag aaaactaaag 180
acgttaggtt tattgcaaac caatcaatca tactcactga tcacctacta gaggaaacct 240
gtgataacac ttgtggggag atttatagaa agaagacgta tttgcacatc aggattttac 300
atcatgatgt gtgcctgtgt gtgtctgaaa aatactagca taacaagctg gtgagtacac 360
tatgaaaaaa aacaacaaca cctacttcat ttggcagagc accagaaatg agggggtaat 420
gaggtcctgt ctttgtggca tggtaaaaaa aaaaaaaaat tgccctttta attcagtttn 480
ttnttctgaa atgaaaaaag taanatttac cccctgaata cttgacagga tgtttgcaag 540
gcttggttaa tttntgtaaa tgttttgagc tcctntgang ngtgtgttct ntaaatagga 600
ggtttaatag caccgtcana ctgaacaaac tganttgagc tgcantnntt ttccgggaaa 660
naaacccaac ccccntaaag cntgaccccc ttctgggntt gcnc 704

<210> 2588
<211> 726
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(726)
<223> n = A,T,C or G

<400> 2588
tacctngnnc gattccgtgc tgtcnnactg antaggtngc gcngtncana ctnacacagc 60

acctcgnttn tacacaggag anngaaatgg ccgtacttcn agaactgcag tgcttgtgag 120
gggatattnc ngccnnnnga ntttnngatg tncatggnca ttgtntnaag gtnnngngnn 180
tnncctnnat gtggactttg aatggtncat caaaagattg gtttttgcag agatttaaa 240
gggggagaat tctacaaana antgntacct nnttannncn ncntnaanga tganaatcct 300
ggtngaagnt ngttnaaaaa nngctaaatt acntagacnt angcattanc nnntnngngn 360
nncaatntng ccaccncctn tggnatcatc tagagtgaat gttaccaana tngcattcta 420
agntctattt aactgactcg cactgnatga cgaatttaaa aaccttcttt gnatnggntt 480
ancaaaactg tgcntcacca ttgcacantt antgtcctat ctatncatnc gaaactttgg 540
ggggcctgtt agccnacact tnaggaccng gccatctcat tgggactcat tgatggcttn 600
tntncntana aacantttnt gttttnaacn gggtatnacc tcttntttan gggatttttt 660
ttttngaccc caannactan tttgagnatn ttnnttttgc gcaaaaaaaa atgggtttct 720
ttannt 726

<210> 2589
<211> 1444
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1444)
<223> n = A,T,C or G

<400> 2589
cccccccccn natattannt gtgtncnact nnanggagtn ntttnntttn ctctnnnagt 60
tntangttaa tcttnatnan ncntncntcc agatacatag angcntgggn ttnttcccca 120
tngcccctan ngggntttnn taanaannta atcccncnnt attgagcatc ntttncgccn 180
atnagaacnc ngggnntatt ttngaactag gaanatcgtt cacnncntng cnggtgagtt 240
catgattaat anattacana ngtggatnaa ntnnaaanac gtcagtanan ctatnttnta 300
nnctnagana gngtgantgn antnncnnac gaacngannt nntatngtac tnctgangta 360
ggntactaaa ttacctnnan ataatnacat ctaagtatng tgggtctcta atgttatgaa 420
ngntacgctn ttaanngttn gttnttgcgc gntanntanc naaacatann taactantgg 480
tgacaacatn tngntcagcn acnntctctt aannatggga angnacanat gncngnatcg 540
tacattangg ctcgngtatc atgagnnctg ntnataanag ataaggatan ntntccnttaa 600
tggaattcta antgtatggg canataaaan gtanntgaaa ncgnnntgcn aattgctacg 660
aanantgnat gcaatagnng aagcgtatgt aagggtncgc tcttntacgn anatatatag 720
tnttgntnat ancgatcnta taannttatc ttatgtatat ctnnnacatt ttaagntaca 780
cgtgaangan nttgccanng cannattaca tnacattgnt ntnagtaagt gatnggnaca 840
ngcttaggga aatcantgag cncagggnat ntnaatatna tcggnntacc ntaggtnatn 900
ngaanatgnn natgtaaaag ngttcnnaat atatactntn aacgatctgn nangtgtang 960
gagtnntcta acacanggtt aatntacggt nagtgagnga aannnattan gtatncatat 1020
anaatngtga agcaaagaat ntcgaacnct tanntcacnt tcagctatnt aagctngagt 1080
acacnagcat tnnntcntna nntaancaat ngctacacgt ctanactngc natatggtag 1140
agnatcacan gaacgtactc ntttatnctc aggaatnnat gaacggtgag acttntnaac 1200
gtntacangn naggaaatat natncnatgt ctagntagna cnaatatntt ctaacngacn 1260
aatnangtan tnngttgntn aannacntcn tgncntatnt tnnattnntc cacatantat 1320
atncngaaga tcaatattnt atcatnactg tatgntagac nanttgttan tantaanaac 1380
gnagcnctan acnntnncgc aggantatnt annnacntng tacgnctnct atacnnntan 1440
nncg 1444

<210> 2590
<211> 739
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(739)

<223> n = A,T,C or G

<400> 2590
naaccacgat cgaattccgt tgctgtcgtt gtccttttct aatagttcgt gttttagaaa 60
ttcagaacaa acaatttctg aatgctcctc agaacgccaa ctcaggcaga gaatctcacc 120
gaaatagaga agaagctcat gctcctggaa gaaacagccc gaggagagcc gctgggccac 180
atctggccac tgtccgcagc gctgtcagat tgctggggcc acatctggcc actgtccaca 240
gtgctgtcag atccaaggag agccgctggg ccacatctgg ccactgtcca cagcgctgtc 300
agatgccgac caaaccctgc tttggtgttg aggtggttcg tctggtagcc tcctttctta 360
agggtattta atctgctgca aattgttttc atgtatgcaa tagatgttac tgtaactgtt 420
ttataaggtg cattgtcttc accttggcag gctctgtgcc agtctgtgtc tagtctgatg 480
ccattcctgc acacatacat ccttgcccca ncattttgga nggctggagt taaggaataa 540
tcctggtggg gacttaatat taactatttg ggantgggaa cttaatattg gatcctcatg 600
gtccaactgg gccccacctt tcccaaaccc caaaaaaang gntgaanaat ttntcttttt 660
taacaaaaaa cattttaacg attaagggcc aatacttntt aaaaatnagg ttaattaaag 720
tttnattncc ccacccaat 739

<210> 2591
<211> 704
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(704)
<223> n = A,T,C or G

<400> 2591
naaccncgnt cgantccgtg ctgtcggcag agcgaaaggt ggncgagtcc tgaaggaggg 60
cctgatgtct tcatcattct caaattctta ggacggtcgg gccctggaag gaacgctctc 120
ggaattggcc gcggaaaccg atctgcccgt tgtgtttgtg aaacagagaa agataggcgg 180
ccatggtcca accttgaagg cttatcagga gggcagactt caaaagctac taaaaatgaa 240
cggccctgaa gatcttccca agtcctatga ctatgacctt atcatcattg gaggtggctc 300
aggaggtctg gcagctgcta aggaggcagc ccaatatggc aagaaggtga tggtcctgga 360
ctttgtcact cccacccctc ttggaactag atggggtctc ggaggaacat gtgtgaatgt 420
gggttgcata cctaaaaaac tgatgcatca agcagctttg ttaggacaag ccctgcaaga 480
ctctcgaaat tatggatgga aagtcgagga gacagttaag catgattggg acagaatgat 540
agaagctgta cagaatcaca ttggctcttt gaattggggg ctaccgagta ctctgcggga 600
gaaaaaagtc gtctatgana atgcttatng gcaatttatt ggtcctcaca ggattaaggc 660
accaattatt aaggccaaga aaaaaaaaaa aaaaactcct ggnn 704

<210> 2592
<211> 1481
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1481)
<223> n = A,T,C or G

<400> 2592
cnncccncnn ancanngnng ntgaaagntg tgntgatgga tatnnaantn antatatggn 60
ntatattaat gttttatnng taccctntn aggtnttnta nntagtnttn tctttcctat 120
ngtnnnnnnn nnnnnnatga ntaccnngnt ngaatccggg gctgtantcg gcannnngtc 180
ccccggctng nganaattat tatatnnata ttacgnatan nnatacatta naattgtttt 240
cntcttaaaa tttggggggn ttttttttnat ntcgagnatn anttntnaat nngcgatttc 300
tctatacnat tgtcnatnta ntanccttat atnangatct nctatgcatt anancatgta 360

ttntnnatgt gttntgtann attcttntgc nttgntntat naaatcnctg tatttataag 420
natngtagna tnnttttatn aatacnnang cngtanttat nntnctattn agtntntaat 480
tagttcnaag naanttatta canatnaatn tttntatana nggtagntag ctgtgatgcn 540
atcgaactnt tatntnatat gtatattngc aaaggactan ataatngtat gttatntnnn 600
cntncnangt acgtgncnna aggtatcgat gtnatnanct gcnncgtana natnnngann 660
ntattnangt natngatntn atcgctacgt tntngcnaaa tatcgttcct attttnctna 720
ncnnanntat gntagantat gagnantata ccntacgtaa ggannтatna tatnttgtgn 780
tatcgtannt naaacgtant atancgtntg ngatgtgcat nantattana nnttanngaa 840
tganntanga ataggngnnn tgagtgnagt aatntncata tttnngtata nattgcncta 900
ngnacgtgtc tgaagtntgt ntatngctct cattatttat ttcgancgct antatttgtt 960
atgtantgat tacctanntt angtaatatn tattnagnnc tcttgcagtt tatntgtnta 1020
gntatggnat cnnactnata taanatanta gttgnntatg anatctaatt gnangtacaa 1080
nnaantcaan gtnatattna atnacgatga gnancgtnan attagnntat nntactgtaa 1140
tttaggctat atagtattnt gnntancnaa anannacnca tcttntncat tcncncgatn 1200
nntctatctt tngcangntc aagcaatnna tgntnancta nanaggtagg ntcatannta 1260
gtntatnnta ttaattagcn atnttcgtat cngcacnana tagntantat antttnannn 1320
attntaggnt ctgtattata tnantcnctt ngagttntnn cnnaagtata gnnctacatc 1380
atgtncatcn tantnntgga nanatcncnc gttnttgatg actgnagtga ntaanttacn 1440
agatngaata tatnngngct atctaaaact acnacgttan g 1481

<210> 2593
<211> 756
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(756)
<223> n = A,T,C or G

<400> 2593
ttnccttttt cnaattccgt tgctgtcggn acactttgtg atttccatta aggccaactg 60
cattgactcc acagcctcag ccgaggccgt gtttgcctcc gaagtgaaaa agatgcaaca 120
ggagaacatg aagccgcagg agcagttgac ccttgagcca tatgaaagag accatgccgt 180
ggtcgtggga gtgtacaggc cacccccaa ggtgaagaac tgaagttcag cgctgtcagg 240
attgcgagag atgtgtgttg atactgttgc acgtgtgttt ttctattaaa agactcatcc 300
gtcaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 360
aaanncnnnn nnnngggggn ttttttttтt ttttnccnna aanaaaaaaa nnnttnnngg 420
ggnnnnnccc ccccccctnt tnnnttnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 480
nnnnnnnnnt tnnnnnnnnn ttntnnnnnn nnttnnnnnn nnnnnntnnn nnnnnnnnnn 540
nnnnnnnnnn nnntnnnnnt ntnntnntnn nnntnnnnnn nntttnnnnt nnnnnnnntt 600
tnnnttтnnt nnnnnnnnnn nnntntnntt tnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 660
nnnnnnnnnt nnnnnntnnn ntnnnnnnnn nnnnnnntnn nnntnnnnnt nnnttnnnnn 720
tnntnntntn nnntnnnnnn nnnnnnnnnn nnnttc 756

<210> 2594
<211> 684
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(684)
<223> n = A,T,C or G

<400> 2594
cccatactcn catntccagc tctatgctca gagaattacc agaaaataaá attacatgaa 60
gcttgaatat agggagatgg aaagatatta gacaaatatt aaagaaaatc tgggccaggt 120

gtggtggctc acacctgcaa tcccagcact ttgggaggcc caaggtggga agattacttg 180
aggcaagggg tttgagacca gcccgggcaa catagtgaaa ctctgtctct ttaaaaaaga 240
aagaaaagaa aagaaagaaa gaaaagaaaa tctcagtgag tgatggtcag aatagaattc 300
aacataacaa gctcattatt aaaatatttg atctcactgt gtacaattct gaagacactc 360
attcatgtac ttcattaaat atttctagtt tgctaaaaat agaattaccc ttcaacccag 420
caatcccatt actgggtatc taccaaaagg aaaaaaaaaa tcattctatg aaaagatgcc 480
tgcacttgta tgttcatcac agaactattt cagtagcaaa gacatggaat caacccangt 540
gcccatcaac agggggactg gataaaanaa aggggtggta caccggcccc ccttgggaat 600
actattgccg ccctttaaaa aaaccatgga aatcctgtnc ctttgcaata acntngattc 660
cactnggagg gcatttttnc ttaa 684

<210> 2595
<211> 708
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(708)
<223> n = A,T,C or G

<400> 2595
taacctcgnt cgantccgtg ctgtcgnttt ccactattga cactgcccgg ctgattcaag 60
cttttggcca tgaaagagta tgcttgtcac ccagacgaat taaattatat agcagcatca 120
ccaaccaaca gaggagatac cttgagaagc ggagcaaaca cagcaagaaa gtgctgaata 180
caggtcatcc cctagtgact tctgagcaca ccagaaggag acacatccag gtagcaaacc 240
atgtgatttc ttctgactct atttcctctt ctgccagtag tttcctgagc tcaaactcta 300
ctttttgcaa caagcagaat gtacacatgt taaacaaggg catacaagca ggtaacttgg 360
agattgtgaa cggtgccaaa aaacacactc gagatgttgg gataactttc ccaactccaa 420
gttccagcga ggctaaattg gaagagaaca gtgatgtgac ttcttggtca gaagaaaaac 480
gtgaagagaa aatgctcttt accggttatc ctgaggacag aaagttaaaa aagaacaaga 540
agaattccca tgaaggagtt tcctggtttg ttcctgtgga aaatgtggag tctagatcaa 600
agaaggaaaa cgtgcctaac acttgtggcc tgggcatctc tgggttgaac ccattaccaa 660
gaaccgaccc tggagggagc cactgnggga gcaaacttgt cangggct 708

<210> 2596
<211> 694
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(694)
<223> n = A,T,C or G

<400> 2596
gngctgtcac actgaagttt tgttcnagac actttgggct tcgctgattg aaaacaccac 60
accaactgaa aaatcactgt gaaaaagaac ctggtagtac tgtcaatatc aagtaggatt 120
cattaatttt ctgacattac tggacaagat ggttcgtgcc attcagaaag ctcttttttct 180
ttcttcttct ttcctaatac agtgaggcat acaacgtagc ctgccttatg gttaagttgg 240
gtgtatgact tgtaaacttc cctcttgcta ttaaagatta tataatggga agttcattgg 300
ttttgaaagg cagaccaaac ccacccatgg gatttctatt ggctttttag atgtattgca 360
tttctctgag taaacccatg tggctgagaa atagtgagta gcttgttggc tgactgtggg 420
aaaacctatg aaggatcagt tgatctcatt tgggcaggag tcagaaatgg ctgagaatct 480
aaaactatat atatgaggat ggttttctct tgatgttgca atctttattt taacatgttt 540
ttgtgtttag cttctggagt tgcctaacag tataatttca aatgaggttt aatttcagct 600
gtttaatttt aaactgtang ggaacatgat taaaaaaaaa ttaaaggctt tatcatttgc 660
cttaaaattt taatggtttg gtataaaaaa gant 694

<210> 2597
<211> 712
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(712)
<223> n = A,T,C or G

<400> 2597
tgacctcgnt cgantccgtg ctgtcggcct aagcataaaa ccaaaattat aaaactccta 60
gaagataaca caggagaaaa cctggatgac cttgggttgg caatgacttt ttagatacaa 120
taccaaaggc atgctccttg aaagaaataa ttaattgaga agccagaagg caaaatggta 180
cagccatttt ggaagacagt ttggccgttt ctcacaaaac taaatatact cttaccatac 240
catgcagcaa ttatactcct tggtgtttac ccaagacttg aaaacttgtg tctacacaaa 300
aatctgcacg agtgtttaaa gcagctttat ttttatttat aattgccaaa gcttggaggc 360
aagtaagatg tcctttggta agtgaatggg taaactatgg ttcatccaga taatgagata 420
ctattcaatg ttaaaaataa ataagctatc aagccatggg gagagatgga ggaaactgac 480
atgcatacta ttaagtgaaa gaagcccatc tgaaaacgct acgtactata tggttccaac 540
tgtatgacgt cctggaaaag gcaaaacttt ggaaacagta aaaagatcaa tggttagcag 600
gatttgggca ggggaangga tgaataggca gatcacagat gatttttang agagtaaaaa 660
atgcacngna ttagaatgga tggatcatat tatccatttg tncaaacccn ct 712

<210> 2598
<211> 860
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(860)
<223> n = A,T,C or G

<400> 2598
cgncctcgnt cgattccgtt gctgtcngcg cctgcctttc ccatctgtct atctatctgg 60
ctggcaggga aggaaagaac ttgcatgttg gtgaaggaag aagtggggtg gaagaagtgg 120
ggtgggacga cagtgaaatc tagagtaaaa ccaagctggc ccaaggtgtc ctgcaggctg 180
taatgcagtt taatcagagt gccatttttt tttttgttca aatgatttta attattggaa 240
tgcncaattt ttttaatntn caaataaaaa gtttaaaanc ttaaaaaaaa aaaaaaaaaa 300
aaccncnngn gnccnttttt tccttaaanc cnancttnaa aaaanccttt nnnnatttng 360
nccnnccccc cnntaaantt cnnnncnntc ttactntnnt tncnattttt ctttttantn 420
tnnnntctnc cntcattttc tnttnnnttt tttnnannen tntntnctcn anttctntac 480
tntnnnattc actnctctac ttcncnttct actnttttnnn nnanntcttn cntnnntnta 540
tctnctctnn tcactntnnt nnnnnttnnc tcctncnnnt cnntnnnctc ncttncncnc 600
nccnncattc ntnnnnnntn nntattntnn nnncnncnan ctnntcnncc ntncnatntn 660
ctnnnntnnc ntctnnnctc nttcnntatc tnnnnnnctt cttnnanntn cntcnnntnt 720
cnntcnnnct nancttttnnn nnnnnttatn anntctcnnt ancactnntn tnttncatnn 780
nncttntntt nnnttncntn atntnctcnn tanctnttnt tancnctact ctcantntnt 840
nttnccttnn nnnnnttncc 860

<210> 2599
<211> 939
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(939)
<223> n = A,T,C or G

<400> 2599
cnacnacnnn nnannnannn nnangngnna nannganaan naggnantan nnnngannnn 60
nanaanannn nnnangggga gancangnan ngannntaan nccacnnnnn nnnnngaggc 120
gaannnnnaa agtannnann nannannnag nannnnannn nnnnnnnnnn nnnnntaana 180
cccttgngaa aaacccgggg gctgtnaaaa cnncgcngag gncccgctgn ngcnggaana 240
gtagaatcaa gaaccgagga ttttacatgg gactgggagg acgagcaaaa ggaggcttac 300
cgaatccgga gatcccgagg aggaggaaga ggaagaggag gaataanngg naagaactgt 360
cacaggtang gaaacatctc agnaaaagca gggattgagc ttcatgaaat nctaagggca 420
tatnaaggag caangacttg aaaccnngta aganaanggg ggtggaataa nctctgatac 480
ntccatgngc antggagagn naaaggngag agccacggaa agcacgagac agntcngngt 540
aaggggnctt ttncagttgn ggaancaggg agcaaanggc atcnagaggg nccngcaaca 600
caaancaata tgcttannag agggatnaat naanaacnnn ggagctaggc atgngaggcn 660
tcgagcctgg naaactacaa cactntggga aggccaaggn aggcggagaa taccaacccn 720
gaaacaaacg gtagagaaaa ccccatctcn actaaaaaan caaaaaatga gncgnggcgt 780
nggnggcaca ancccggnan ncccanatnc ncanaaagct nnagggcang aagaaanncn 840
tcgaaaccag aacaagcaga angtaggagg ncganatnaa aatagagcca gatngnggan 900
ccaacangng nnaaaaagaa caaaaacatc naccnaaag 939

<210> 2600
<211> 711
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(711)
<223> n = A,T,C or G

<400> 2600
gncacgatcg aatccgttgc tgtcggggtg agagagatgg tgttctggac acttcccctt 60
ggtgccatca tccctgctcc tcctttcctt cctctcccct tcccatgaat gtggggcttg 120
atttgtttta ccccttaagt gggctgaaga tgtaaagctt aacctcttcc aaactagatg 180
ctttgaggtt ccagctgtca ctgagaacag cttggtagct ggtgcagcgt accagcgtgc 240
agaggcagca ttgttcagct ggagcctcac tgctggagcc tcatctacca gagggctcct 300
tccatactgc ctccatgctt cgctgtagaa tcaggaggcg accacagcag cagaacactg 360
ccaccctagg atccagagct attgcacaaa attcacacac aggtgtggct gtgacgtgtg 420
gccataagca tcttcttcct ttatggcaca gtttctgagt gtagcagagc ttgatggggg 480
tgagcccaac acccacactt ctcctcactg ccttcctccc ttctcagcac ctcgtaactg 540
aggctggctg aaggaaagga agcaccagag atgattcccg aggtgttttt aggtcaggag 600
gcactggcat gaggcangct ctgcagttgg gtatgacctg ccctgcttta cctgggacca 660
gaaattnctg ggaanggggc tctcaacgct gaaatggtga tgtnggggna a 711

<210> 2601
<211> 710
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(710)
<223> n = A,T,C or G

<400> 2601
nacacgntcg antccgtgct gtcgctgggc tagaacctca ntctagtgtt caaaggagct 60
ggcagaatgg gttgtctcgg catggaggac ccaaaagcag agctccctgg tgctttgggg 120

gagagtgaag cccttcattc cactcctcat tgcagaccag ctttcctggt attcatgcac 180
tgctttttgt aacgcctcaa atgaaggcca cagctcagcc aagtagaaga gagctcctaa 240
taaatgaagt ctggttgcct ttgaatttat aaaataatca aagttgctat ttcctgctaa 300
ggagacagat acagaacagg tgataggcca cagtcattac tgtcccctgc ttgttccctg 360
agcccctggc cttctacctt ttctaactgc tgtcagaacc ctggttgggg acttccttt 420
gcctggttct cctgggcttg aatggcaacc tatattgaca gatttcatgc cacagttctt 480
tttcaaacaa gatgattcac aatggaataa ttgggtttgg gaagaagcct ttttaaagca 540
aactatggaa aataattgat gagtagcgca gttttataaa actttttttt ctattaccct 600
tttaaaaact atgttgctaa ctgcacatca cactgcattc atatnctggg gactaatacc 660
ccttgacctt gccatttgaa ttaangngga aaaaaggtca taagtnacat 710

<210> 2602
<211> 715
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(715)
<223> n = A,T,C or G

<400> 2602
naccncgatc gantccgntg ctgtcggaga gtggaggcca gagaagacca aagctgagga 60
atgcgacctc aggatttcct tctttctggg gatagttctc tttaggagga agaggagtta 120
gcccctcact tgcttatccc tctcctatgc tctggagttc ctctccaccc ttgcccccac 180
cccacattgc cccctcctgc tcggtcagtg cctggccagc tcaggcagct tgcgtcacag 240
taaggtaaag ccagaatgag ttttaggtct gagtgagatt ggaaaagcca ttcctctgac 300
cctccccacc tgctcccgtc tctccaggca tcctacctgc aagaggacac tgtgaggcgc 360
aaaaaatgtc ccttccagag ctggccagaa gcctgtgagt gctgttgaca cgcacccttg 420
tgcacacaca tccccttttct ctttctgtct cctacacaca catgtacaca cacacacaca 480
cacaccccgc acttcacaca tgtgctgggg gaagtcccca gaagcatgca ggtactttcc 540
ctggagtcag tgggggggaaa agggctgcca agtctaccag tccgcttgcc aatagatcaa 600
agatcgcttg agcacccgca gtacttgtga aaaagtttan aaatatgagg cctangagaa 660
ggtgtcctaa gaagatggcc aanaagaccc attnccatac anctnttgtc nattg 715

<210> 2603
<211> 707
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(707)
<223> n = A,T,C or G

<400> 2603
naccncgatc gaatccgtgc tgtcgccggc ctcctatgcc ttctttccgg gcctgtttta 60
agagcatttt cagaatacac acagaaacag gcaacatttg gacacatctc ttaggttgtg 120
tattcttcct gtgcctgggg atcttttata tgtttcgccc aaatatctcc tttgtggccc 180
ctctgcaaga gaaggtggtc tttggattat ttttcttagg agccattctc tgcctttctt 240
tttcatggct cttccacaca gtctactgcc actcagaggg ggtctctcgg ctcttctcta 300
aactggatta ctctggtatt gctcttctga ttatgggaag ttttgttcct tggctttatt 360
attctttcta ctgtaatcca caaccttgct tcatctactt gattgtcatc tgtgtgctgg 420
gcattgcagc cattatagtc tcccagtggg acatgtttgc caccctcag tatcggggag 480
taagagcagg agtgtttttg ggcctaggcc tgagtggaat cattcctacc ttgcactatg 540
tcatctcgga ggggttcctt aaggccgcca ccatagggca agataggctg gttgatgctg 600
atggccaacc tctacatcac angagctgcc ctgtatgctg ccccggatcc ccgaaccttt 660
ttncctggca aatgtgacat ctnggttcac tctcatcaac tggttcn 707

<210> 2604
<211> 704
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(704)
<223> n = A,T,C or G

<400> 2604
tgcttgcaat taaattcncc gtctcagttc aagagtgaat atagcaactt atgtgaacct 60
gagcagtttg tggttgtgat gagcaatgtg aagagactac ggccacggct cagtgctatt 120
ctctttaagc ttcagtttga agagcaggtg aacaacatca aacctgacat catggctgtc 180
agtactgcct gcgaagagat aaagaagagc aaaagcttta gcaagttgct ggaacttgta 240
ttgctaatgg gaaactacat gaatgctggc tcccggaatg ctcaaacctt cggatttaac 300
cttagctctc tctgtaaact aaaggacaca aaatcagcag atcagaaaac aacgctactt 360
catttcctgg taagaaatat gtgaagagaa gtaccctgat atactgaatt ttgtggatga 420
tttggaacct ttagacaaag ctagtnaagc tntgtanaaa cgctggaaaa gaatttgagg 480
canatgggaa ggcagcttca acagcttgag aangaattgg aaacctttc cccctcctga 540
ggactttgca ttgacaagtt ttnggacnaa agatgnccaa gatttgttat cnagttgcaa 600
aaagnacaaa tatgagacac ttttcgaagt ttacacgaaa acnntgggaa aagttattcc 660
cgaantttaa taggnatact tttgcccatn gatttgaaaa aagg 704

<210> 2605
<211> 743
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(743)
<223> n = A,T,C or G

<400> 2605
nnagatcagc tcttgttctt tttgcaggat cccatcgatt cgggatcctc caggctgccg 60
gctgggaagg cgtgggcgac ccggtgtgtg gcgcgcccag agccccgcgt ttcagcccta 120
gggaaggaag ccagttgagg gaagttctcc atgaatgtac gtcacaatga tgatgaccga 180
ccaaattcct ctggaactgc caccattgct gaacggagag gtagccatga tgccccactt 240
ggtgaatgga gatgcagctc agcaggttat tctcgttcaa gttaatccag gtgagacttt 300
cacaataaga gcagaggatg gaacacttca gtgcattcaa gatgaagtgg tgaagagagc 360
ctgcgattga agatttttc atctcagctt tttccccctt accttgttct ctctcatgtt 420
tcatgatctg tgtcatagat atttcttcat tacgagcact tcgcggtgtg gcttttcaat 480
gtctgaagtg gattaagtgg cccacagtca gttctgtgac ttgagtttca aaagtnaaat 540
taccatcaac aatgtgattc aatttttattt tctatactag ctaaaagcaa ggaactatat 600
tattaacaat cttggcttta ctgtagttta aggcaggtga tgatgatgct tattagtcca 660
cctgaaagag tccttccang tttttggaac cttattcctg cttattacct tgcccttgaa 720
aagtccttca tggaaagtgg aat 743

<210> 2606
<211> 675
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(675)
<223> n = A,T,C or G

<400> 2606
attcanatac anctacttgt tctttttgca ggatccctcg attcgggatc ctccaggctg 60
ccggctggga aggcgtgggc gacccggtgt gtggcgcgcc cagagccccg cgtttcagcc 120
ctagggaagg aagccagttg agggaagttc tccatgaatg tacgtcacaa tgatgatgac 180
cgaccaaatt cctctggaac tgccaccatt gctgaacgga gaggtagcca tgatgcccca 240
cttggtgaat ggagatgcag ctcagcaggt tattctcgtt caagttaatc caggtgagac 300
tttcacaata agagcagagg atggaacact tcantgcatt caagatgaag tggtgaagag 360
agcctgcgat tgaagatttt ttcatctcag ctttttcccc cttaccttgt tctctctcat 420
gtttcatgat ctgtgtcata gatatttctt cattacgagc acttcgcggt gtggcttttc 480
aatgtctgaa gtggattaag tggcccacag tccagttctg tgacttgagt ttcaaaaagt 540
aaaattacca tcaaccaatg tgattcaatt ttatttttct atactagcta aaagcaaggg 600
aactatatta ttaacaatct tggctttact gtatttaagg caggtgatga tgatgcttan 660
taatcccccc gaaaa 675

<210> 2607
<211> 756
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(756)
<223> n = A,T,C or G

<400> 2607
ntccccccat cggacctcca gctgccggct gggaaggcgt gggcgacccg gtgtgtggcg 60
cgcccagagc cccgcgtttc agccctaggg aaggaagcca gttgagggaa gttctccatg 120
aatgtacgtc acaatgatga tgaccgacca aattcctctg gaactgccac cattgctgaa 180
cggagaggta gccatgatgc cccacttggt gaatggagat gcagctcagc aggttattct 240
cgttcaagtt aatccaggtg agactttcac aataagagca gaggatggaa cacttcagtg 300
cattcaagat gaagtggtga agagagcctg cgattgaaga ttttttcatc tcagcttttt 360
ccccccttacc ttgttctctc tcatgtttca tgatctgngn catagatatt tcttcattac 420
gagcacttcg cggtgtggct tttcaatgtc tgaagtggat taagtggccc acagtcagtt 480
ctgtgacttg agtttcaaaa gtaaaattac catcaacaat gtgattcaat tttatttttct 540
atactagcta aaaagcangg gaactatatt nttaacaatc ttggctttac tgnangttta 600
aaggcaggtg atgatgatgc ttattaantc ccaccctgga aagaagttcc cttcnnggtt 660
ttttggaagc ttttatttcc tgctttaatt aacctttgcc cccttggaaa aagtcctttc 720
attgggaaaa gnggggaaac anctgnggtt tgacnc 756

<210> 2608
<211> 732
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(732)
<223> n = A,T,C or G

<400> 2608
gnnnnnttct aatacnnggc tacttgttct ttttgcagga tcccatcgat tcgaattccg 60
ttgctgtcgc taccattgca agaccccaga ttgcaaggga tggtgcttct ttgaggatga 120
tgtcaatgag ttcacctgcc ctgtgtgttt ccacgtcaac tgcctgctct gcaaggccat 180
ccatgagcag atgaactgca aggagtatca ggaggacctg gccctgcggg ctcagaacga 240
tgtggctgcc cggcagacga cagagatgct gaaggtgatg ctgcancagg gcgaggccat 300
gcgctgcccc cagtgccaga tcgtggtaca gaagaaggac ggctgcgact ggatccgctg 360
caccgtctgc cacaccgaga tctgctgggt caccaagggc ccacgctggg gccctggggg 420
cccatgagac accagcgggg gctgccgctg cagggtaaat gggattcctt gccacccaag 480

ctgtcagaac tgccacttga gctaaagatg gtggggccac atgctgaccc agccccacat 540
ccacattctg ttagaatgta gctcaaggag cttcgtggac ggccttgctt gcttgtaanc 600
gtttgtaagg gccctgcctg cactgcggtt gtcacggtca catctgcccc aatgcctttg 660
tccttccttg gggcttgccg gcagactttn tatccctgcg nttccaacct ntgctgaccc 720
cagcttaaac at 732

<210> 2609
<211> 793
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(793)
<223> n = A,T,C or G

<400> 2609
tcttcntcga attncgtgct gtcgctacca ttgcaagacc ccagattgca agggatggtg 60
cttctttgag gatgatgtca atgagttcac ctgccctgtg tgtttccacg tcaactgcct 120
gctctgcaag gccatccatg agcagatgaa ctgcaaggag tatcaggagg acctggccct 180
gcgggctcag aacgatgtgg ctgcccggca gacgacagag atgctgaagg tgatgctgca 240
gcagggcgag gccatgcgct gcccccagtg ccagatcgtg gtacanaaga aggacggctg 300
cgactggatc cgctgcaccg tctgccacac cgagatcttg ttgggtcacc aaggcccacg 360
ctggggccct gggggcccan gagacaccaa cgggggcttg ccgctgcagg gtaaatggga 420
ttccttgcca cccaactgtc aaaactgcca ctgagctaaa gatggtgggg ccacattgct 480
gacccaaccc cacatccaca ttntgttana atgtagctta agggagcttc gtggacggcc 540
ttgcttgctg taacgttgta aggggccctg ccttgcactg nggttgtcca cggtcacatt 600
ttgccccaat gcctttgtcc tttccnttgg ggcttgccgg ncaaaacttt ttttnccctt 660
ggggnttccc acctttgnc ttganccccca ancctttaaa aaataanccc cctgggccaa 720
aaggcctttt cnttgggtng ggaanccctn ttgggggggaa ctccattaan ttctttccca 780
ancanaaaaa aaa 793

<210> 2610
<211> 767
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(767)
<223> n = A,T,C or G

<400> 2610
gnnnnttnnn tttatanata caagctactt gttctttttg caggatccca tcgattcgaa 60
ttccgttgct gtcggcgggg aggacgtacc ttgtgagatg cgagccggcc aacagcttgc 120
aagcatgctc cgctggaccc gagcctggag gctcccgcgt gagggactcg gcccccacgg 180
ccctagcttc gcgagggtgc ctgtcgcacc cagcagcagc agcggcggcc gaggggggcgc 240
cgagccgagg ccgcttccgc tttcctacag gcttctggac ggggaggcag ccctcccggc 300
cgtcgtcttt ttgcacgggc tcttcggcag caaaactaac ttcaactcca tcgccaagat 360
cttggcccag cagacaggcc gtagggtgct gacggtggat gctcgtaacc acggtgacag 420
cccccacagc ccagacatga gctacgagat catgagccag gacctgcagg accttctgcc 480
ccanctgggc ctggtgccct gcgtcgtcgt tggccacagc atgggaggaa agacagccat 540
gctgctggca ctacagaggc cagagctggt ggaacgtctc attgctgtag atatcagccc 600
antggaaagc acaggtgtct cccactttgc aacctacgtg gcaaccattg aaggccatca 660
acatcgcaag attaaacttg cccgnttccg tgccccaaaa actggccgga tgaaacaagn 720
ttaatttctg tcattncaag gaacatgggc cnttccggna ncacctn 767

<210> 2611

<211> 949
<212> DNA
<213> Homo sapiens

<400> 2611
tggaaactat gtccctgcac ccaaagaagg ttcttttgaa ctttatggag accgagtcct 60
gaaactggga actaacatgt acagcgtgaa tcagcctgtg gaaactcatg tgtctggatc 120
atcaaagaac ttagcctcat ggacccagga aagcattgct ccaaaccctc ttgctaaaga 180
agagctgaat ttcttggcca ggctgatggg agggatggag attaagaaac ccagtggccc 240
tgagcccgga ttccggttga atctctttac caccgatgaa gaagaggaac aagcagcgct 300
aaccaggcca gaagagttat cctatgaagt tatcaacata caagccaccc aggaccagca 360
acggagcgag gagctggctc gaatcatggg ggagtttgag atcacggagc agccaaggyt 420
gagcaccagc aaaggggacg atttgctcgc catgatggat gagttatagc tgttctgacc 480
aggcgtcctc tgcccccagg gagaggctgc tggatggtga cccctgggga atgccccatg 540
gcccagaatg atgctgctag ttttctactg agtgaagcca ttacgtctat ttcttattta 600
tgttgtaagg aactgtgtga gtctcccttg aggagcactc actcttgaag gcacacacat 660
acacatattt tcagtgaaat atattctgac ttttaaactt gacctttccc attttattct 720
taattctgag gcaggagaat cgcttgaacc caggaggtgg aggttgcagt gagccaagat 780
catgccattg cactccagcc tgggcaacaa gagcgaaact ctgtctcaat taaaaaaaaa 840
aaaaagaata taaatcacca aataaatgtt aattgctccc tacccattaa agttacactt 900
ccttacctat aaagacaacc tccccctcca catactcacg gaaaagtct 949

<210> 2612
<211> 293
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(293)
<223> n = A,T,C or G

<400> 2612
aattccgttg ctgtcgctgc tatcgaactc atcatcctta tggaggtctt caggggcccc 60
agagacactg cagagagtgt cagggatttc cttccccaca acagaattgc tgagggtctg 120
ggaagcatgg agggaggaag cagaattgcg ggaccactgg cgcantgnnn ggatcangag 180
ctatacttct tccngaactg atcnntgntn cctgcatntt ntgcacnagg nnnnaggatn 240
ancttntaat anannctgnt gtnnntcctn agnnantnnn gtnngttcta agg 293

<210> 2613
<211> 534
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(534)
<223> n = A,T,C or G

<400> 2613
aattcgttgc tgtcggaagt tattgctttc caggggtcac tctggcttcg actccgtcgc 60
tctcaattcg tcaccrggag gaagacggag ctggctgccc agcccaaagg cccatgaggg 120
gatgcagtta tgggctctgt cgccgtggat tgttattttg tgtcagtaag taatccataw 180
wgtgccaaca tgggaaagaa acggwcaawg ggaaaaactg ttccaatcga wgattcctyt 240
gaarctttar aacctktgtg yakacacatt agaaaaggat tggaacaagg taatttgaaa 300
aaggctttag tgaatgtgga atggaatatc tgccaagact gtaagactga caataaagtg 360
aaagataaag ctgaagaaga aacagaagaa aagccttcag tttggctgtg tcttaaatgt 420
ggccatcagg gctgtggcag aaattctcag gagcagcatg ncttgaagca ctatctgacg 480

ccaagatctg aacctcactg tctggttctt agtttggaca actggagtgt atgg 534

<210> 2614
<211> 454
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(454)
<223> n = A,T,C or G

<400> 2614
aattccgttg ctgtcgggac atgaaggcct gccaggagga cgatgtgcgg ctcctgtgcc 60
acctcacgcc ctccatctac acagagtttc cagatgaaac cttgaggagc ggagagctgc 120
tgaacatgat cgtggctgtt attgactctg cacagctcca ggagctggtc tgccacgtga 180
tgatgggtaa cctggttatg tttcgaaaag actcagttct caacatactc attcagagcc 240
tagactggga gacctttgag cagtattgtg cctggcagct ctttctggcc cacaatattc 300
ccctggagac cataatcccc atcctgcagc acctcaaatt acaaggagca cccagaggcc 360
ctgttcctgg cctactggct tncaacttcc ggaaggagga aaaagnccca ggcgagggga 420
gatgggtgga aggtgngtag ctgaaggccg ggcc 454

<210> 2615
<211> 592
<212> DNA
<213> Homo sapiens

<400> 2615
atttttagtt tttcgagtac accgtcccag aaagaaatac gctataacac ccaccagcct 60
gagggctgca ttgctgtgga agcaggaatg gataccctta tcatgcatct ctgcgaagaw 120
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aatcattttg ccatttgtga aagttgtgtt ggatttagta aaaatgtgaa taagctttgt 480
acttattttg agaacttttt aaatgttcca aaatacccta ttttcaaagg gtaatcgtaa 540
gatgttaacc cttggtattt agaaaattaa aaccttataa tatttttcta tc 592

<210> 2616
<211> 682
<212> DNA
<213> Homo sapiens

<400> 2616
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catcctgtca tcatctccac tgtcccaagc agtcactagg tggcggccgg gccagctgga 180
acccagccca tcctctcagg cagagcaggg tggtccgggc acactgggcc tgcctctcca 240
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cttcctgagc cagttcaggg cctgggggag agccagcttg gggtaggaag ttaataatac 480
tgttaatttg ggttgttgtt ggatttactt tgctagattt tctctttcac cacgtgtgaa 540
ctgtgggtga ggtttcaaag tagcttcacc ccacgtggct tggttcccag ggacagtcag 600
gcctcggggg cccagctatg tacaacgaag ctgtcgaagg agaagacaat aaagtcgtcc 660
gcagctgctc tgtgtgtttc tc 682

<210> 2617
<211> 581
<212> DNA
<213> Homo sapiens

<400> 2617
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ttgaagagaa aaaatacctt gctggggcag acccttctac tgtggaaatg tgttaccctc 120
ctatcattca gagtggtggc aactataatc tcaagttcag tgtggtgagt gacaagaatc 180
atatgcactt tggggctats acttgtgcca tgggtattcg cttcaagtct tactgctcca 240
accttgytcg cactttgatg gttgatcctt ctcaagaagt tcaagaawat tataactttt 300
tgctccagct tcaagaggag ctgctgaagg aattaagaca tggtgtgaag atatgtgacg 360
tgtataacgc tgtcatggac gtggttaaaa agcagaagcc agaactgctg aacaaaatta 420
ccaaaaacct agggtttggg atgggaattg aattcccgtg aaggctccct agtaatcaat 480
agcaaaaatc aatacaaact tgaagaaagg aatggttttc agcatcaatt taggattctc 540
cagacctgac taacaaggag gggaaaaagc cagaagagaa a 581

<210> 2618
<211> 594
<212> DNA
<213> Homo sapiens

<400> 2618
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gacagcctca actcggccat ggcggcaagc atcctgcttt tcgaagggaa aagacagctg 120
cggsggaggt ctgggaastt gagcagggac aggagttacc actgaggacg cagaagtgac 180
ttctgcttga ggacgtctgc agctcctcct acaccagcac actggtggga ggctggcgga 240
gtcagtgact atggccccca cgttcaggag gaaggtgtga tgccgtcata cagttacagg 300
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aggcgcctgc tccaccagct ggtgggtgtt tgtaatcgcc aagcaccagc tataggtcac 540
agccacatca ctcacagctg atcactggtt ggtggaaaat aaactatgag cagc 594

<210> 2619
<211> 859
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(859)
<223> n = A,T,C or G

<400> 2619
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tagagagttt taatgaatac cttttcgctc ttcagagtca cttatgctat tgggaatctg 180
aagatactgc tctgttacta cttaaagaaa tttatcgaac aatgaacatt agtccagaac 240
agccccagca ttgatcaaac ttcagtttta ctgtactttc ttgtctgcac agaaagtccc 300
agtacaactt ccattgctga gaaaatcctc agaggacttt cccacttcgc tcctgtgatg 360
gatgacagaa gagtgattca ttaacaattg ctcagccaca attctcggat atagggattc 420
aaaagacagg ayacagaact aacacagtga aaaaaatcag taccacattt ggacagtata 480
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tatagttgtc aaagttatat gtgatatcaa tgaagaaata tttgtagcat gtaaacggtt 600
atttctgttt cttaaaaagt attgttartg ggctattaaa cttggatttt tctttttatt 660
aatgcagtat gtnctttta tycaagtatg acttgttgag aactatagta atatgatttt 720
taagagattt atgttcnctt aaaatgtgaa ttgtacttct gagctgctta atcaggycat 780

ttatatttgt taagaggaat accagatcac tcatatccca ctgaatctga ggtttataat 840
cccnccaacg atgctggng 859

<210> 2620
<211> 988
<212> DNA
<213> Homo sapiens

<400> 2620
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ctacatcgga caccccaag yatgtmggsw sgssrgaagc cacagtcgcc gccgccaggg 120
scttgctcct ggctctgtcc tttgcttccc tccgtcctcg ctcagttgtg atccagcagc 180
ccccctcccc actgcctccc cagctctcag tgaccccgac tgtctcctga cttagccgag 240
gtaaggtcag yscmgcagac agggccagay tgrggwgtgs sgskcykwsc yrgrcacats 300
msysasgscy ctggcttact gggaaacagc gattgacctg tgcttctgac agcccccgag 360
acaccttgag gaggccgctc cttcccagac acacccccac gcccccactg gacggcattg 420
gaggaaggga cagctgcttg ggttctaatg ctcctgctct cttctctttt cccctccaac 480
cagttcaatc tcatccctcc cagcagctcc ccttccaccc cccggggaac tgaagattgt 540
cctggccgcg acctgagacc tccatgagtg gagggaagag tgatctatgt ctcttccccc 600
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ctgccaagca ccttgaatgg gaggggcctc acagagggca gggccagggt ccagcagggg 720
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tctattcccc cgctggagac ggaagatctt ttattttcta ttatttataa cttcagactt 840
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aaataaaaaa aataaaattt taaactaa 988

<210> 2621
<211> 854
<212> DNA
<213> Homo sapiens

<400> 2621
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gcaagggtgc actgagggtg gtgggagggg atcacctggg ttccaggcca tccttgctga 120
gcatctttga gcctgccttc cggtgggagc agaaaaggcc agaccctgct gagttaarag 180
gctgctggga tccactgttt ccacacagcg ggaaggctgc tgggaacagg tggcagagaa 240
gtgccatgtt tgcgttgagc cttgcagctc ttccagctgg ggactggtgc ttgctgaaac 300
ccaggagctg aacagtgagg aggctgtcca ccttgcttgg ctcactggga ccaggaaagc 360
ctgtctttgg ttaggctcgt gtacttctgc aggaaaaaaa aaaaggatgt gtcattggtc 420
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tatttgaccc ccttggctga attcttttgc agaactactg tgtgtctgtt cactaccttt 540
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gtctagatgc ggagtcagag atgggactga atggggaggg atcctttgtg ttctcatggt 660
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tttccccatc tgtaaaatgg gagaataata cttgcctacc tacctcacag gggtgttgtg 780
aggattcatt tgtgattttt ttttttttt ttgtacagag cttttaagca ttaaaaacag 840
ctaaatgtga aaaa 854

<210> 2622
<211> 637
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(637)
<223> n = A,T,C or G

09/529,359 PCT/US98/21595

<400> 2622
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cacaagtaaa ttaagcctac cgatgttcac cgtgctcagg aaattcacca ttccacttac 240
cttacttctg gaaaccatca tacttgggtg awkywgkwtt ymctcaacat ymtyctcagt 300
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<210> 2623
<211> 300
<212> DNA
<213> Homo sapiens

<400> 2623
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tggatccctg acttgtatcc ctttgttcca cagagagggc catgatgcct ttgagcttaa 180
agagcaccag acatctgcct actctcctcc acgtgcaggc caagagcact gaagacaccc 240
tggtcctccc ggaagggcag tcccacaggc agcggcaccc atttctgggc cccgccacag 300

<210> 2624
<211> 923
<212> DNA
<213> Homo sapiens

<400> 2624
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atttttaaag gttaccatct gaggtttckr atcatagtct acttttgaag cagctgctgc 120
trtttcttta ttccattgaa caccctggaa ttgacataat tttatctatc agcatttctc 180
ccctttttagt ttatttaata attaacccgg tctccagggc agttttcata tgaccatgtg 240
tatattcact gctcacgaaw aagtttaatg ttagattacc aaatttaata tagttacaga 300
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cccacatgac agggtggtat gccaggcata gttaactgct tttggttgtg aggtactcat 420
cttcctttag ttacccttag ttatgtggca cacatgtcct tattgcctag ttcgtcatcc 480
acactttgga tcttgtgaaa atgctgttag tatccaacct taaaatatat tagtatatgg 540
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taatcccagc actttgggag gccaaggcgg gtggattacc agagttcggg agtttgagac 720
cagcttgacc aacatggaga aaccccgtct ctactaaaaa tacaaaatta gccaggtgtg 780
gtggcgcatg cctgtaatcc tggctactca ggaggctgag gcaggagaat cgcttgaaaa 840
cccaggagac agaggttgcg gtgagctgag attgcgccat tgtactccag cctgggcaag 900
aagagcgaaa ctctgtctcc aaa 923

<210> 2625
<211> 1125
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1125)
<223> n = A,T,C or G

09534560.050360

<400> 2625
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ggaaaagctg tttttctggc aagagataaa catcacctct ctgacatctg ccatctgatc 180
cgccacgatg tgccctacct gttccagaag tacgtgaagg agtcccatgg aaaggacatc 240
cgggtggtgg tggtaggggg ccaggtcata ggctctatgc ttcgctgctc cactgatgga 300
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taccatcaac agtgggtcta cctctagcga aagtgagcct gaactgggag agatccggga 720
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<210> 2626
<211> 620
<212> DNA
<213> Homo sapiens

<400> 2626
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aatcctgcag aatgtaagta agctctgctt tataagatgg gttcaccttc atcgcagact 120
gaaagtttca gtttttattt ttttcagaaa gcacgaaaaa ttatttataa tagtctggag 180
aaaaaaacac actgtaatat ttcaagtgta tgccagtaga atgtactgta actgagccct 240
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acaatgccat ccatgtttgt gctgtagact tgctgctgct gaatcctttc tggggacttt 360
ctcatcgggc agggagcaga gggcttctcg ttcatgcacc ctttgcctga acacccatgt 420
agctgctgtg ttgtgtatat attactctta agaggagtgt gtgtgtctgt gtttgtttta 480
aaagtcactt atttcttaca gtgatttcaa ttgcaccatg acttcttcac taaaaccaca 540
aagtcctgct taaaactatg gaaaacctaa cctgattaga gccttgacta ttttgaagat 600
taaatgcaca ctttttatat 620

<210> 2627
<211> 573
<212> DNA
<213> Homo sapiens

<400> 2627
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cccagttgga gttttgtttc ccagcatcca aaggaaatcc ctaactttca ttttttcttc 120
ccgtaagcca gccccgaaca cttaccttat aagcccatct ctacctgaat tagcaatcat 180
ggataagctc aataactgat catttcctta tccagtttaa accatatata ttttaacact 240
gtctcttttt cacacacact agttagctaa gaatgagctg gggggctggg cgtggtagtt 300
cacgcctgta atcccagcac tttgggaggc ggaggtgggc ggatcacttg aggtcaggag 360
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ctgggtgtgg tggcaggcat ctgtaatcct agctactcrg gaggctgagg crggagartc 480
ccttgaaccc gggaggcaga ggttgcagtg ggccaagatc acaccactgc actccagtct 540
gggtgataaa acgagattcc gtctcaaaaa aaa 573

<210> 2628
<211> 539

<212> DNA
<213> Homo sapiens

<400> 2628
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ctggaggata tttggctttg acagagtgct ttgaaattat gacagkaraw wkcwrcaaym 120
tycaggtgtt tactacaatc tggaggcaag atctttcctc agtatgtgct gatgtttggg 180
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ggacctatcc tcattgccct gtataccttt aagcaagcca gtggaactct taagactaga 360
tttaatgact ccgtatttga acacctctaa cagagaagta aaggtatacg tttgtaaatc 420
tgggargact tgacttgcta tttccatttt gggkatcata tggtaccctt gaaggaggtt 480
tagggttggg tacttycagt ggaggcctcc cmctgggaaa ccaagctggc agtttgttt 539

<210> 2629
<211> 672
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(672)
<223> n = A,T,C or G

<400> 2629
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aattactgct caaatgttag ctgtcgtatt aatattgksa ckttgcacr ckkatgtaca 120
tttsctgttk atsyakgctc attctttaag cattctccat gcttaaacca gttccataat 180
ccctaggcct gtactccagg gattgagact gaaaggatca tttatgccat gtttctctaa 240
aagcatcatt gctggaagac ttttgataag tctgatgtgt ctcaagctat tctcargcct 300
tttttgtaga gtttagaaat gaagtatttg aatcaattta gtatctcctt tactatgttt 360
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ggttggggta ctctattctg tatgcatcat aatagcttaa cattatttag tagctgtaac 480
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tggcaacatc atctcgttgg taggaatttt ttacttgaat tgttattttg ggaaaatgtt 600
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cctctcttaa aa 672

<210> 2630
<211> 424
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(424)
<223> n = A,T,C or G

<400> 2630
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taaaaatatt caaagccagt tttgttgttt tcagcagtta gtaactatca gtagatgaat 120
atttactagg aaacattggt cttttaacca ctttgggcat gcttcttatt tagtatgttc 180
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tcaggttant ctcataattg aggaaactga gattcccagt gttgaatgaa agccacacag 360
tatcacatgg ccaatatcat gtgattgcag agtcaggact caaacccagc tcttaaccnc 420
cacg 424

<210> 2631
<211> 300
<212> DNA
<213> Homo sapiens

<400> 2631
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ctacttccta aaaaccctga gcactttgtg gtgtgcaaca gatcaaacac ggtggtcatc 120
atgaacatgc aggggcagat tgtcagaagc ttcagttctg gtaaaagaga aggtggggac 180
tttgtttgct gtgccctctc tccccgtggt gaatggatct actgtgtagg ggaggacttt 240
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<210> 2632
<211> 908
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(908)
<223> n = A,T,C or G

<400> 2632
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tggatggagc tagagagaca acaggaaaga cggtgctgaa gaacatagtg tctttcctct 180
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gcatcatcca aagcattgtc tggttgacac caggtcctgg ttttgtgtct tttgtcaata 300
cctgaatcct tgacaaaaga aaaagtggtt ttgatgattt aaagaaataa gggtgatttt 360
racagaaaat atattttaaa aattttracc amttgcaata gttatcctca agccaatttc 420
cagaacctgc caccaggggg aggtggtgca gcatgaatca ttctgaatgc tttgtctttg 480
aagtgttccc ctattgctgt taccatctca gaggaagtaa ctgggcatgg tgagactcct 540
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tggagtagcc gcagggtggg agaatgccag cccagagtca gtccatcggg gttacatttc 660
caaggtctgc tgccttcatc tatgtaatgg ccgtgttact ttcagatctt tcagcttccc 720
agagtgttgt gggaatcttg gtcattgaat gtaaagggac ttagtaaagg gtatagatat 780
ttttcaaaaa tgaaaataac ttttgttctt ataagtgata agctnttata aagatcanag 840
gaaaactnga aaaaatgtaa aatgtaggac aatttgtana acaaacttgc attngagatg 900
tttttgat 908

<210> 2633
<211> 476
<212> DNA
<213> Homo sapiens

<400> 2633
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ttctccctgg gcactgcctt caggaagacg ttgagaattg accttacaca atcccagcgc 180
cctcctcaca ggagcctttc actttacagt ggcaaggggc tggttctgga gaactggctg 240
atgctctgaa tttcttcata taccccacat ttgactttgg cttacactgt acaattggag 300
atgttgctac aggtccctgg agatgcaatc agattaagcg tagaaagcat tgccaattgg 360
gaaagtcaaa ataatttatt ttttttccct ttcccctacc ccatccccag ccaagatttc 420
tttcaagata tcgcatcatt cttaacaaca ttcttacccc cactgggtcc ccattt 476

<210> 2634
<211> 1648
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1648)
<223> n = A,T,C or G

<400> 2634
aattccgttg ctgtcgcact gatttactcc ctctcttccc cactccctgt gaggctgggc 60
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tgggatgtgt gatttcagct cctgtcacct catgcaaggg cgtggagacc agtagaggtg 180
tggaggccag gcagagagag gagccygctc tgmgggrkgc ccagctcatg ggcactgycc 240
cttcagctag cctgcctmcg tcccctgagt ccaacagtgg gagccctagc tgggaagttc 300
tgatccccaa agccacagca ggggactgat ggctatagca gaatgaggtc gggtcaggac 360
cctcaaacac catctgggaa caccaagcac cctgaatcga gactgcagga gccctgcggg 420
gtgagactgt gtcagagata cactgctggc cacaagtgtc ccctctcagt cccacctttt 480
cgggctgtcc catgtctatc tcaggggccc gttacctctc tgcagcagtc ccccatccca 540
gccacaccag ggtctgtccg gccaaccctc ttccccaggg aaaggagaaa agagaaaaca 600
ggctgggccc ggtggctcac tcctgtaatc ccagcacttt gggaggttga ggtgggcgga 660
tcacctgagg tcaggagttt gagaccagcc tggccaacgt ggtgaaaccc catctctact 720
aaaaaaaatt acaaaaatta gccgggagtg gtggtgggca cctgtaatcc cagttactcg 780
ggaggctgag gcaagagaat ctcttgagct caggaggcag aggttgcagt gagctgagat 840
tgcgccactg cactccagcc tgggtgacag agggartccg tcccnaaaaa aaagaaaaga 900
gaaacagctg tcacctcccg cagacccaaa tcctctctct gagcaccgtc atccaccaca 960
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gactgcaaaa ctgctggact taccctgggc tgcagtccat tgtcggcccc tgggttgaat 1260
caagatagta cttgcagcta gatggatgct tttagccagg ggacattgtg aggggaagat 1320
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agcagactca tgggcgccac caagtggaag cacctggagc ggcctctgcc atccagtgga 1440
agccaggccc cgagacggag gtgggggcag cacgtgcctc cacagccacc gctttcccgc 1500
ctcagcagcc caggcctcct ggcccagccc tgcctgggac agtgctytyc cctcacccgg 1560
gaagntngga atyctcctgc ccgagaggaa ggcagacggc acagggacaa ccytgccact 1620
tgggattttg gcttncaagt tggttttt 1648

<210> 2635
<211> 956
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(956)
<223> n = A,T,C or G

<400> 2635
agaatacaag ccaaaacatg gcttcaaaag gtcagctgca tcttcactgg attacagaat 60
tcttgctgac tctcagaaga aattgttgga gagaatagtc atacckrcwy kagmwrgaga 120
ataaatwgcc tttcctaaat tcctctgctt cgctcctttc ctggcgttgc tctggaacct 180
tgttggtgtc tgtgacccaa tgactgttag ggtcagctag cttcaattgc ccctgcactg 240
gaagcaaggt ttgtcagtaa caccaattaa aatactacca gtgtaagtag aaggtgtgtt 300
ttgcagatga gaaggtgcta agatgccttg cttatgttct ctgtgttgct gtaataccat 360
gaggggtatg ttgtggcaaa cctggccttt ragatcaaga cgaaccccac ctgccctgag 420
aagccgtctg ctaccaccac agcctacccg aattggkcct gtcccctaaa cccctcacac 480
tgagaactgc ttgtgtggga gagagctggt tgggttgatc ttttccgagt gtgacttacc 540
tccttcaagg ggatgtttaa gcttctcggg cagaagtggt gtgtctattc ctgacaccaa 600

acaccgtggt atatgtggtt gtcacactca gctagtgatg ataaaggtgt tcttaaatat 660
gttagctttc agttttcctg aggaagcaat tttatggata cttccccctc cttctcaagt 720
gaggaatagc agagcaaatt ttatttggaa cttaaaccaa tagttataac caatagtttc 780
aacctcctgc ctcaccactg sttccttcct gagctctttc cccacacctc aaaaagagta 840
caaagtgatt ccatctgcag aggtaaattc tttgtttaaa aaagtactgt ttttcttatc 900
ttttctggnt ctcctaggta tcagaacaag gtttattagg aatccttaaa aaagta 956

<210> 2636
<211> 300
<212> DNA
<213> Homo sapiens

<400> 2636
gtggcgcagt ctgagttcac tacagcctcc acctcccagg ttcaagagat tctcctgcct 60
caacctcccg agtagctggg actacagttg aaaaagatca tctagcaaag ccttttccc 120
agctacatat aaggaatttg aaagtcacat aaaatggtta agaaaatgtg ccaagattac 180
ctcagtaatt ctggtctgtg ttctcaggag accctggaaa taaacaatgt gtcttctgtg 240
gcttcagcgt cacctagtgc aggctgccat tcaacaaacg cattgtcaac agtcaaccaa 300

<210> 2637
<211> 903
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(903)
<223> n = A,T,C or G

<400> 2637
aattccgttg ctgtcgaccc caaccctctc tcatgttcag tctgtctaat acatgccaga 60
gatttttttt tcaaaaagtg ctttatccct acaatgtact gacagttctt acagttgaga 120
tttgttcttt tcagctattg cttgtgaaaa aaagcaagac tatgtcactc tatagaaggc 180
tgttaaagtg actcaggcag gaattaatta ttctgtacct aaggggttac ttgtttaatg 240
ggatggcatt gacttttga aaatcaagtg gactgagtca ttgataaaac atttctaaga 300
gtggggctag agaacatact ttacatctga catcctttgg cctaacaaca tctattatta 360
tagtgctcag cagtgtgggc attgaagagg cgcagaatgc tttgaaagaa actaatcaga 420
atcttggaac atcatgatca tgccattctt aagtaaatca actattttca acactgaaga 480
aaaatgaaac attatttaga aaacaatgag attacaagtt ccaaactcag ccaggaatgt 540
ggctcacacc tgtaatccca gcactttggg acacctaggt gggagcatcg cttgaagcca 600
ggagttcaag accagcttgg gcaacgtagt gagaccccta tctctacaaa aaataaaaaa 660
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ggwtcctgag ctcaggaggt caaggctgca gtgagccgag attgttgcca ctgcaytgca 780
gctkggggtg acagttgcaa gaccctgttt tcaaacccaa acccaaaccc acacacacac 840
aaacacacnt twcacacaca cacacacggg gttcccattg gttggccggg gtttccccag 900
ggg 903

<210> 2638
<211> 524
<212> DNA
<213> Homo sapiens

<400> 2638
aattccgttg ctgtcggcgc ggaggagaag tggcgtcgag tccggccggg cagtagagga 60
aattgcggta gtgaccctcg ggcctcgcma tgaagagccg ctttagcacc attgacctcc 120
gcgccgtact cgcggagctg aatgctagct tgctaggaat gagagtaaac aatgtttatg 180
atgtggataa taagacatac cttattccgt cttcaaaaac cggactttaa agctacactt 240
ttacttgaat ctggcatacg aattcataca acagaatttg agtggcctaa gaatatgatg 300

ccgtctagtt ttgccatgaa gtgccgaaaa catttgaaga gtcggagatt agtcagtgca 360
aaacagcttg gtgtggatag aattgtagat tttcaatttg gaagtgatga agctgcttac 420
catttaatca ttgagctcta tgataggggg aacattgttc ttacagatta tgagtacgta 480
attttaaata ttctaaggtt tcgaactgat gaggcagatg atgt 524

<210> 2639
<211> 1081
<212> DNA
<213> Homo sapiens

<400> 2639
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tgccatgatc gtcaagatga atgaagctgc tgaggaagac agacagttga acaatcaaaa 120
aaagccagca ctgaaaaaat taactttact gcctgctgta gttatgcacc ttaagaagca 180
ggaccttaaa gaaacattca ttgacagtgg tgtgatgtct gccatcaaag aatggctctc 240
acctctacca gataggagtt tgcctgcact caagatccgg gaggagctgc tgaagatcct 300
gcaagagctg cctagtgtga gccaggagac cctgaagcat agtgggattg gacgagcagt 360
gatgtatctc tataaacacc ccaaggagtc aaggtctaac aaggacatgg cagggaaatt 420
aatcaatgag tggtctaggc ctatatttgg tcttacctca aactacaaag gaatgacaag 480
agaagaaagg gagcagagag atctagaaca gatgcctcaa cgacgaagaa tgaacagcac 540
tggtggtcag acacccagaa gagacctgga aaaggtgctg acaggagagg agaaggctct 600
tagacctgga gatcctggat tctgtgcccg tgcaagggtc ccaatgcctt caaacaagga 660
ctatgttgtc aggcccaaat ggaatgtgga aatggagtca tccaggtttc aggcgacctc 720
caagaagggt atcagtcgac tggataaaca gatgagaaag ttcacagata taaggaaaaa 780
aagcagatct gcacacgcag tgaaaatcag cattgagggc aacaaaatgc cattgtgacc 840
ttgcctggaa tgtgtcccca tctctactct aagaaatgcg caatggactc tttggagaaa 900
gaagatattt taaaacattt ttagtgtgtc tgtaaatggt tcagcgtgta tcagatgttg 960
tcataggact cacatttctc tcagttatat ttaaaaccgt tgtgtacttt gtacaaagga 1020
atactagtca tacttctata aactttacac aataaaattt cattctggtt aaaaaaaaaa 1080
a 1081

<210> 2640
<211> 1516
<212> DNA
<213> Homo sapiens

<400> 2640
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cctccgagcc tgctgcactc crcrtcyysm ywscarskct yswssycyya kgkrrrtstc 120
ygamywgryc ygtcycwgsa gccagatcca ggctcctgga agaaccatgt ccggcagcta 180
ctggtcatgc caggcacaca ctgctgccca agaggagctg ctgtttgaat tatctgtgaa 240
tgttgggaag aggaatgcca gagctgccgg ctgaaaatta cccaaccaag agaaatctgc 300
aggatggact ttctggtcct cttcttgttc tacctggctt cggtgctgat gggtcttgtt 360
cttatctgcg tctgctcgaa aacccatagc ttgaaaggcc tggcagggga ggagcacaga 420
tattttcctg tataattcca gaatgtcttc agagagccgt gcatggattg cttcattacc 480
ttttccatac gagaaaccac accttcattg tcctgcacct ggtcttgcaa gggatggttt 540
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gaaccaatcc tggcattata acaaaagcaa atgaattatt atttcttcat gtttatgaat 720
ttgatgaagt gatgtttcca aagaacgtga ggtgctctac ttgtgattta aggaaaccag 780
ctcgatccaa gcactgcagt gtgtgtaact ggtgtgtgca ccgtttcgac catcactgtg 840
tttgggtgaa caactgcatc ggggcctgga acatcaggta cttcctcatc tacgtcttga 900
ccttgacggc ctcggctgcc accgtcgcca ttgtgagcac cacttttctg gtccacttgg 960
tggtgatgtc agatttatac caggagactt acatcgatga ccttggacac ctccatgtta 1020
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tgggctttgt cgtggttctg agcttcctcc tgggtggcta cctgttgttt gtcctgtatc 1140
tggcggccac caaccagact actaacgagt ggtacagagg tgactgggcc tggtgccagc 1200
gttgtcccct tgtggcctgg cctccgtcag cagagcccca agtccaccgg aacattcact 1260

cccatgggct tcggagcaac cttcaagaga tctttctacc tgcctttcca tgtcatgaga 1320
ggaagaaaca agaatgacaa gtgtatgact gcctttgagc tgtagttccc gtttatttac 1380
acatgtggat cctcgttttc caagcatggc ttgtttgttt tgatttctgc tgtgcttata 1440
aatcactttc ggtgggcaag ggagagaggg gaaaatgggt gttgactgag gaatcccct 1500
tgcttgtctt cttttg 1516

<210> 2641
<211> 888
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(888)
<223> n = A,T,C or G

<400> 2641
aattccgttg ctgtcggcag ctggatggac actatagcaa acatcaatca agagctcatt 60
aaatatgaat tcttmyyygr mrcmrstcga agtgaagaag acttaaagaa ataccccaag 120
taccctggg grrgagaaat ctatacttta gaaggtgttg tggatggagc tccatattcc 180
atgatttctg acttcccttg gctgaggtca ttacgagctg cagagcccaa cagcttcgct 240
cgatacgact ttgaagacga tgaagaaagc actatctatg ctcctagaag gaaaggacag 300
ctgtctgcag acatctgtat ggaaacaata ggagaggaaa tttcagagat gcgtcagatg 360
aagaagggtg tatttcagcg agtagtggca atttttatcc actattgtga tgtcaatgga 420
gagccagttg aagatgacta catttaattg gtccctcctc ctttccagct attttgtcag 480
aaagcaagta gggccatcca gctgccagag tgctccacag ggacttgagg catgcagttg 540
ggaggtcctg gctcggtttg ctatataggg aatatataag gaacatcgaa attgtataca 600
aagatttgta cataaaaaat atacaaagac gcttcctaaa gtaccaactt tatatcatat 660
gtttatacaa tttaatttaa aaattcattt taaggaagac agataatttg aaagactttt 720
gtttttcttg acttaattca tgaagtatca ttttttgact gagtctccat ttacttcatt 780
cttaatgatt attgtcatcc ctttaaatct gtgccttttt cttcttgagc gaagctgttt 840
gagtaaacct gttgaagagt ggtttggngg ccnttttggn gccttttt 888

<210> 2642
<211> 300
<212> DNA
<213> Homo sapiens

<400> 2642
gccatttctt ctggccttta caaaaaggca ttttgttata ctacagtgta aacctcattt 60
ttttcactcc aaaaggtagc agcccctctt cttcccaccc tggacctgcc tttcactccc 120
tgggcacaga gcgcatggta ccattgatgt ttggtttatt ccaggatcca aggagctggt 180
tctgctggtt ggaccaaacc tcgtgagcca gccacccctg acccaaatga ggagagctct 240
gattctccca tccgggagca gtgatgtcaa acttctgctg ctggggaaat ctcatcagca 300

<210> 2643
<211> 770
<212> DNA
<213> Homo sapiens

<400> 2643
ctgacttcaa ctgcaatggt cctgtcaaca cacagggatt ctacaggggc tcccctgggt 60
gcgtcatgga tgctgttctg cgccacggct gtgaggcagc cttcgtgagc ctgctggtag 120
aatttggagc caacctgaat ctagtgaagt gggaatcgct gggcccagag tcgagaggaa 180
gaagaaaagt ggaccctgag gccttgcagg tctttaaaga ggccagaagt gttcccagaa 240
ccttgctgtg tctgtgccgt gtggctgtga gaagagctct tggcaaacac cggcttcatc 300
tgattccttc gctgcctctg ccagacccca taaagaagtt tctactccat gagtagactc 360
caagtgctgc ggttgattcc agtgagggag aaagtgatct gcagggaggt ggacaccgag 420

ccctgagtgc tgtgctgctg ctggtctcct gatggctgtt gctgcagaag atgtcctcgt 480
agactgtcat tgctcctcag gtgcctgggc cgctgaacag tccttgggtc attgtcagct 540
gagaggctta tactaaagtt attattgttt ttcccaagtt ctctgttctg gattttcagt 600
tgcatattaa tgtaacgggc catggggtat gtacatgtag gggctgaggt tggaggccta 660
ctaatttcct gtagggaaga ctcccagcac ttctggaact gtgcttctct ttatttttct 720
acttctcaat ttgatggttc gattaaagcc ttctagtatc tcaatgaaaa 770

<210> 2644
<211> 603
<212> DNA
<213> Homo sapiens

<400> 2644
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ctgtgatcga agttttagag caatcttggc tgaacctaaa aataaagcat ctgaatcctc 120
tgaacaagat tattatagta atatgaggca agaagctttg ggacatgaac ctagagtaaa 180
tatgtttcca tttgaacaac aatctgaatt ttcaagtttt gacaagaatg atagccgagg 240
ccaggaagca atctccaaac gcttgtcagt tgtatcaaga gttcctttca ctgaagaaca 300
gcttttcagc atttttgata tagtaccagg attggaatat tgtgaagttc aacgagatcc 360
ttattcaaat tatggtcatg gagtggttca gtattttaat gtagcatcag ctatttatgc 420
aaaatacaaa ttacatggat ttcagtaccc tcctgggaac cgaataggtg tttccttcat 480
tgatgatgga gtaatgcaac agatctcctt agaaaattgc acacagatgg tagctgcaca 540
gcttgcatca attggttgga ttacccaagt cagcacatta ttgcaatttg aggagccttg 600
gat 603

<210> 2645
<211> 685
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(685)
<223> n = A,T,C or G

<400> 2645
gtaaggcctg ccttttacac accagttgtg tgtttgttag tggctgctgg atgccagtcc 60
acaccctcaa acacctcaca gtcccaaacg gggtgctcct acaggtccca gggtcctgtt 120
agtggaagaa aggcagttcc aggaagtctt ccctctagcc ttcatgacag gaagtagttt 180
aatcctctgg gaaatagact tgcagccctg ggaagaaaag agttgttcct ccttggggac 240
atacaccatc atctgggcta tttcatccag tgtctcttct ttatacagga gctcctggct 300
caggaaggca tcccgtgcac acagcctcac gtgacggtac tccaaaggca ggaaggggat 360
gaagtagtca atcaggtttt ccttcacaag acggctgtgc caaagccatt gtctatggtc 420
tccacaatct ccgcctggag gtggggctcc aggtgttcca tcgtaatttc ttcccgggac 480
catccagcct tgagcaactt taggaccacc tcattgatta tatcgcccct gagattactg 540
agaaacagaa agatagtcca tggagactca gcccnttgtn ctcaggggcc cggcgttcta 600
agtgtggccc aaggacctcc agcagccctg ggtgcagctt ctccgcttca tcgaagatga 660
acagggtctg gtgcagagct gctgc 685

<210> 2646
<211> 583
<212> DNA
<213> Homo sapiens

<400> 2646
agtggctgag tggaggcgcc cagacctggg caggcagcag gctcaggccc acaccttgtg 60
atttttgaaa ccaaagccca gaagatgatg tttacttctc tctccctggc tctgcccttc 120
ttactgcaaa ccatgctgtg ccttagggcc cttctcatag ctgttcctca tggccatgac 180

tggaacaggg atgcaacctc tttctacaca agcacagtta gttgggtgaa gtctttttt 240
ttgtttgttt tagacggagt twcactcttg ttgcccaggc tggagtgaag tggcgtgacc 300
ttggctcact gcaacctcca ggccagcctc agcctcccta gtagctggga ctacaggcac 360
ccactaccac gcctggctaa ttctttgtat ttttagtaga gatggggttt gaccgtgtta 420
gccaggatgg tctcgatctc ctgacctcgt gatccaccca cctcggcctc ccaaagtgct 480
gggattatag gtgtgagcca ccgcgccggg ccggttgctg gcatcttaat gttctgtagg 540
tggaatattt ccaataaaca caaggtgccg taattgacaa aaa 583

<210> 2647
<211> 958
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(958)
<223> n = A,T,C or G

<400> 2647
atcgagaact cttactacaa gctncttgtt ctttttgcag gatcccatng attcgwrkys 60
sgttgctktc gccaaaatgg cgcgggtgct gaaggctgca gccgcgaatg ccgtagggct 120
tttttccaga cttcaagctc ccattccaac agtaagagct tcttccacat cacagccctt 180
ggatcaagtg acaggttctg tgtggaacct gggtckactc aaccatgtak ccatagcagt 240
gccaratttg gaawakgctg ywgcawttta taasaatatt ctgggggccc aggtaagtga 300
agcggtccct cttcctgaac atggagtatc tgttgttttt gtcaacctgg gaaataccaa 360
gatggaactg cttcatccat tgggacgtga cagtccaatt gcaggttttc tgcagaaaaa 420
caaggctgga ggaatgcatc acatctgcat cgaggtggat aatattaatg cagctgtgat 480
ggatttgaaa aaaaagaaga tccgcagtct aagtgaagag gtcaaaatag gagcacatgg 540
aaaaccagtg atttttctcc atcctaaaga ctgtggtgga gtccttgtgg aactggagca 600
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aaagactgaa ttacagaaag attaaaatat atacatatat aaatacataa atatgtatat 780
tatttagatt aacaaacata tttgttaatt tgaatttgaa gaaaatcttg attactaatt 840
acttagggaa cattattaaa atcatataga aataaattat tcctcttcta caatggggkg 900
naattgaatg tnatggtgtt tagcngtgga cnaggggnat gtgtgtgatg gatgggta 958

<210> 2648
<211> 1583
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1583)
<223> n = A,T,C or G

<400> 2648
ggagaagcaa ctgacgacag atgctgcccg cattgtgcag atgcagccca gaagcagatc 60
cagagcttga ataaaatgtg ttcaaacctt ctggagaaaa tcagcaaaga ggagcgagaa 120
tcagagagtg gaggtctccg gccgaacaag cagaccttta accctacaga cactaatgcc 180
ttggtggcag ctgttgcctt tgggaaagga ctatctaatt ggagaccttc aggcagcagt 240
ggtcctggcc aggcaggcmr sccaggagct gggacgatcc ttgcaggaac ctcaggatta 300
cagcagstgc agatggcagg agctmcaagc cagcagcagc caatgctcag tggggtacaa 360
atggctcagg caggtcaacc agggaaaatg ccaagtggaa taaaaaccaa catcaagtcg 420
gcttccatgc atccctacca gcggtgagtg tggctggcaa cctcgactcc ctggtgctct 480
ttgcagagtt gggcagtgaa attacctttt gctcaaggct cacctagatg ggtacaataa 540
aaagaacatg ggctttcagc agcagacaaa tcccacttcc accactgact agctgtgtga 600
ccttggacaa gtgacctaat ttttctgagc ctgtttctca tttgtaaatg gtgataatac 660

ctacctcata gggttgttgt gaggattaaa atgaggaaat gaatgtaaag cacttagtac 720
agtatatgaa ataatgggta ttcaataaat gatagtttct acagatcctt ctccccacca 780
ccctccacag tccttgatcc agaacttacc ctaatctgat actgcctcac gtcaatggtg 840
agctgatgga cacaagatca aataaggcta tgcttatttt gtgctgccag aaactgtagc 900
aacctctgtg ttcttagagg cacactgttt ttgcaggccc tcctgcctgg ggtttcattc 960
tggctatccc tctaaggcgc aaggtgaaga agcttctggg ccaggaagga aaaaaaaatg 1020
cccacctgca gctctggtga agcttgggcc tgctctcctt tccatcctct aaggagccaa 1080
cttggctttt acctgtcaaa tagtcataaa gtcccctatc ctttacccca ccttatacac 1140
acgaggcttt ctcaggnaag tggctctgcc aggcaggact atgtgggaaa gggtttttcc 1200
ttagcacacg aaaaagcccc ttcccctgga ttcatgtttc ttattttgga gggagaaggg 1260
aattgcactt cacactgcca tcagggttta gttgacctca taatggtgcc cactttctcg 1320
actttggcca ggatttcctt caaagaaaac gactttcctt catttcccta agcctgtggc 1380
ccaaatggtg gaccagaatg atggtgggag ggggcaaccc ccagtagctt tgcctgcttt 1440
tataaagttg aacaaattga atttagacat tcaggctaac ctgcctttct tagtactcct 1500
ttgttggcat gggcaggggt tgagtcagca gaagtggacc aaaggattcc tctgaataaa 1560
gttatttaaa ttgaaaaaaa aaa 1583

<210> 2649
<211> 1518
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1518)
<223> n = A,T,C or G

<400> 2649
gaaacatggg gaaaagttcg taaactcctg gttgatgcaa ttcataatca actaactgac 60
atggaaaaat gtattttgaa atatatgaaa ggaacatcta ttgtggtccc tgaaccactg 120
cacttttttat taccagggaa aaaaaatctt gtaacaattt catatccttc aggaatacca 180
gatggccagc tgcaggccta taggaaggag ttacatgatc ttttcaatct gcctcacgac 240
agaccctatt tcaaaaggtc taatgcttat cactttccag atgagccata caaagatggt 300
tacattagaa atccacatac ttaccttaat ccacctaaca tggagactgg tatgatttat 360
gtggtccagg gcatatatgg ctatcatcat tatatgcagg atcgcataga tgacaatggc 420
tggggctgtg cttatcgatc tctgcagact atctgctctt ggttcaaaca tcagggatac 480
acagagaggt ccattccaac acacagagaa attcagcagg ctctagtcga tgccggggac 540
aaaccagcaa catttgtcgg atcgcggcaa tggattggat ctattgaggt gcagctggta 600
ctaaaccaat tgatcggtat aacgtcaaaa atcctgtttg tcagccaagg ttcagaaatt 660
gcctctcaag gacgggaact ggctaatcat ttccaaagtg aaggaactcc agttatgatc 720
gggggaggag ttttggccca cacaatacta ggagttgcat ggaatgagat tacagggcag 780
ataaagtttc tgattctaga tccacattat accggtgctg aagacctgca agttattttg 840
gaaaagggct ggtgcggatg gaagggccca gatttttgga acaaggatgc atactataac 900
ttatgtcttc ctcagcgacc aaatatgatt taaaatatct tggagtcaaa gactgcagta 960
gagtggtatt ataaatttgt gaataaagaa tcagtttaat ttttcacatt aaatcctggt 1020
tctagtttga ccatttaaat tatgaccttt ttcaaaggtt gtaaatactg cacggagaat 1080
gtatttttta gacgttcctt taataactta aaagacaaag catacacaac cagcatatta 1140
taggcatgta aatacatgtg ttcttaaatg gatcttcact tggaagaaag tttttcgtcc 1200
ttctcagaag gagattagac acaacatatg gtaaagccaa aagcaggagc ttatagattt 1260
gcatgaaatg aaggcgttct tcagacttct tcataaccca cgtgacatca gcacttcctt 1320
ttcccactgg tattttctac acttccgaga ctccgtttct gtctgagcac ggcaacacaa 1380
tcattcctgt cagggtgttc acttgctttt tatttggcct gcattacatt ntaaattggt 1440
tggtaaagaa aacttggggc acaagtcctn gggaaattcc accatggacc aaagcggaga 1500
ttcttcnagg ctggtttg 1518

<210> 2650
<211> 386
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(386)
<223> n = A,T,C or G

<400> 2650
gggaagtttg tcaatgacaa gagcaggaag agcgagaagg tgaaggtgat tgacgtgact 60
gtgcccctgc agtgcctggt gaaggactcg aagctcatcc tcacggaggc ctccaaggct 120
gggctgcctg gcttttatga cccgtgtgtg ggggaagaga agaacctgaa agtgctctat 180
cagttccggg gcgtcctgca tcaggtgatg gtgctggaca gtgaggccct ccggatacca 240
aagcagtccc acaggatcga tacagatgga taaactgcca agaaccagat ttttaaaagg 300
ccgcaaaaaa tcttttcctg ggagtctaca aatttggaaa tgaaaaaacc cngacatcag 360
atgtttttat tttatattat tattat 386

<210> 2651
<211> 485
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(485)
<223> n = A,T,C or G

<400> 2651
ctcagctctc accagctgtc agatgctgcc acagggcgag aacctccaag atgtgctccc 60
cagggacatc tactgccgcc tcaagcgcca cctggagtat gtcaagctca tgatgccctt 120
gtggatgacc ccagaccagc gcggcaaggg gctctacgca grcwmsmkct tcaatgctat 180
tgccggaaac tgggagcgca agaggcctgt ctgggtgatg ctcatggtca actccctgac 240
tgaagtggac attaagtccc gtggagtgcc tgtyttagac ctgttccttg cccaggaggc 300
tgagcggctg aggaaacaga ctggggcagt ggaaaaggtg gaagagcagt gccatccatt 360
gaatgggttg aacttttcac aggtcatctt tgctttgaac cagaccctcc tgcagcagga 420
aagnctgcna gcaggcagtc ttcagatccc ctacacgacg gaggatctca tcaaacacta 480
taact 485

<210> 2652
<211> 766
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(766)
<223> n = A,T,C or G

<400> 2652
aattccgttg ctgtcggaaa atattattat gttagtttta gcgtggaaat tggaggctga 60
aagcatggga ttttttacca aggrmrmrwg gttaaaggga atgacttcat tacagtgtga 120
ctgcacagaa aakttacaaa acaaatttga ctttttgcgc tcacagttga atgatatttc 180
gtcatttaag aatatctaca gatatgcctt tgattttgca agggataaag atcagagaag 240
ccttgatatt gatactgcta aatctatgtt agctcttctg cttgggagga catggccact 300
gttttcagta ttttaccagt acctggrgca atcaaagtat cgtgttatga acaaagatca 360
atggtacaat gtattagaat tcagcagaac agtccatgct gatcttagta actatgatga 420
agatggtgct tggcctgttc ttcttgatga atttgttgag tggcaaaaag tccgtcagac 480
atcatagcaa gaactatgtg aagaaaatgc aaacctttca attcccacgt gtatacaagc 540
taatgtgatg agggggaaaa aaatccaacg ggtgcatttt cattcatatg aaagacttct 600

catagtactt ttttttcctt tttttaaagg aggtttttct tgttacatgt gatgggcatt 660
gagccacacc tcttcttaga ctgaatattg aagtttttgt tttgagttat gtttataaca 720
tttatttcag amcantaawg rttncaggat tkgtgacaaa ggcaaa 766

<210> 2653
<211> 401
<212> DNA
<213> Homo sapiens

<400> 2653
gtttgagctc ttgagccagt gacttccctg cacgttcagc tttctccttt gtgaaatggt 60
aatagaagca cgctgcactt gggattcttg tggattacat gtgagggtct tagaaacact 120
tgatgtgtaa gccaactatt atgtattact gtatatggaa cacaagggat gtagccaaaa 180
ctaaatgcaa gtttgtgcct cagatgtctt cctatcagaa cagagtcaaa tccagatttt 240
gatgctkwra tgtgacagct tattcagatt tagaaaaact tttggtatgg gccaaagaaa 300
acatatcctt aaggggatat gcccctaggc cctcattttc cttttctgtc tgagcaatta 360
aaaaaaggaa aatgaggcct aggggccata tccccgtcgt a 401

<210> 2654
<211> 475
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(475)
<223> n = A,T,C or G

<400> 2654
aattccgttg ctgtcggccg gaaccacgag gagagcagtg agaccatgaa tgacttgctg 60
gcccaggtgg ccactaacac ggacaccagc cgaaatgccg gaaatgcggt cctgtttgag 120
acagtactca ccatcatgga tatccgctct gcagctggcc tacgggttct agctgtcaac 180
attcttggtc gcttcctact caacagtgac aggaacatta ggtatgtagc cctgacatca 240
ctgcttcgac tggtgcagtc tgatcacagt gctgtgcagc ggcatcggcc cactgtggtg 300
gaatgtctac gggaaactga tgcctccctc agccggtgag cagtgataga ggggacagga 360
gggcagggca gaggttccca gtgccctgtg gccaagactc gagccagttt agagcagctg 420
gagtaagggg actaaggggg acaggtccct gggggaagca gagggcctna ggcat 475

<210> 2655
<211> 1731
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1731)
<223> n = A,T,C or G

<400> 2655
gacatttcsr mwmgmkcytt tgtgaatttc cagatatggg attttcctgg gcaaatggac 60
tttttkgacc caacctttga ctatgagatg atcttcaggg gaacaggagc attgatatac 120
gtcattgacg cacaggatga ctacatggag gctttaacaa gacttcacat tactgtttct 180
aaagcctaca aagttaaccc agacatgaat tttgaggttt ttattcacaa agttgatggt 240
ctgtctgatg atcacaaaat agaaacacag agggacattc atcaaagggc caatgatgac 300
cttgcagatg ctgggctaga aaaactccat cttagctttt atctgactag tatctatgac 360
cattcaatat ttgaagcctt tagtaaggtg gtgcagaaac tcattccaca actgccgacc 420
ttggaaaacc tattaaatat ctttatatca aattcaggta ttgaaaaagc ttttctcttt 480
gatgttgtca gcaaaatcta cattgcaaca gacagttccc ctgtggatat gcaatcttat 540

gaactttgct gtgacatgat ccgatgttgt aattgatgtg tcttgtatat atgggttaaa 600
ggaagatgga agtggaagtg cytatgacaa agaatctatg gcaattatca agctgaataa 660
tacaactgtc ctttatttaa aggaggtgac taaatttttg gcactggtct gcattctaag 720
ggaagaaagc tttgaaagaa aaggtttaat agactacaac ttccactgtt tccgaaaagc 780
tattcatgag gtttttgagg tgggtgtgac ttctcacagg agctgtggtc accagactag 840
tgcctccagt ctgaaagcgc tgacacacaa tggcacgcca cgaaacgcca tctagtctga 900
atcccagcgt cggggctctg tgccagctta ctcttcactc cagggtcgga tgccacgtgc 960
tacaggacat gggagctgct gcttgtggga atctggtgcc tgttccacta gagacaaggg 1020
gtagagtttc tcatttggat gaaaacccct tcaactggtg gtgtacaact gaagctacta 1080
tatctttttt gaaaatggca aaaaaaaaaa aaaaaaaatt ctggagacca cagaactcaa 1140
gtgtgtgttt ctcctctttt gggtcccctt taagtagttg ggatattttg gacctggaga 1200
taacaccagt tacccatcct taccagggaa tgttgccatc aattccagtt gaaaataata 1260
gaaaagactg aatttttata tgcttcactt aggctttcat ttgagtagac tctaaaaatt 1320
ctgccttgct taagttctaa cactgcctct cagatttcag ttttggacat tgcacaacta 1380
agacctttta aacgcatttg cttgctaact cggaagacac atagtctgca gcaagacatt 1440
cctatattga agaaatgaga gaaaatttta tgctgcatca ggtggagagc aaggctcaac 1500
ggtggttgca ttagttccct cggaagtatt gaaaaaactt tgaaatggaa gaaaattttt 1560
ggcacctatg ttctgagtac cagatgtctg gggttctttc ttctgcatta ggataaatgn 1620
atcatgctca gtgntaacaa aggggaatta aaagtttttc ccacagtccc cttctagggg 1680
aggaaaancc attggtggcc actggaatgg ttagcttact ttaatcttgg n 1731

<210> 2656
<211> 300
<212> DNA
<213> Homo sapiens

<400> 2656
aattccgttg ctgtcgcgga aatgtccgaa ggcagcagta cttgaccctg tattttggga 60
gtcgaacgga gaatggaaac tgaaagtgga aatcaggaaa aggtaatgga agaagaaagc 120
actgaaaaga aaaaagaagt tgaaaaaaag aaacggtcac gagttaaaca ggtgcttgca 180
gatattgcta agcaagtgga cttctggttt ggggatgcaa atcttcacaa ggatagattt 240
cttcgagaac agatagaaaa atctagagat ggatatgttg atatatcact acttgtgctt 300

<210> 2657
<211> 300
<212> DNA
<213> Homo sapiens

<400> 2657
aattccgttg ctgtcgggca cgtcctcgtg tatcctgtgg aggaccctga ccccgcaccc 60
caccctcgag gccagaaatc ggttgcctct ggggacctga gaagcgagac cactcgcgcc 120
cctgacttgc aagttggggt ctttattggc ctccgggatt ctgctcgtgg cggtttctcc 180
aggctggtga tgggcaagcc gggtgtacca agtccaggat gcacatgagg agccgtttgt 240
aaccgcactg aatcacctca tgactagcgg ggcaggcctc taattcaccg caggaatttc 300

<210> 2658
<211> 300
<212> DNA
<213> Homo sapiens

<400> 2658
aattccgttg ctgtcgcagt gagcgggtct gggcggctgc tggcagcgcc atggagacgg 60
tacagctgag gaacccgccg cgccggcagc tgaaaaagtt ggatgaagat agtttaacca 120
aacaaccaga agaagtattt gatgtcttag agaaacttgg agaaggatta ctgtagatgc 180
agtatatgga atcaggaatc ttaacttcat gtgagctatt ggagtttcct ttgctatcag 240
gatcataagg gagggtctat gcagcgtata caagctattc ttaaggagac cggccagatt 300

<210> 2659

<211> 300
<212> DNA
<213> Homo sapiens

<400> 2659
cgcgcgttcc agagctgggc gctgcagctg cactgccgat cgccgtgttt ggtcgataga 60
atccccagtg tgcccagaga gtgcgacccc tcgcccggcc cggcgagccc cgggcgtgaa 120
ccgaactgag ggaggatggc agcctctggg gtggagaaga gcagcaagaa gaagaccgag 180
aagaaacttg ctgctcggga agaagctaaa ttgttggcgg gtttcatggg cgtcatgaat 240
aacatgcgga aacagaaaac gttgtgtgac gtgatcctca tggtccagga aagaaagata 300

<210> 2660
<211> 908
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(908)
<223> n = A,T,C or G

<400> 2660
aattccgttg ctgtcgggta gaaatgggtc catttaaaca tacggttgat gatggtctgg 60
atattagaaa ggcagcattt gagtgtatgt acacacttct agacagttgt cttgatagac 120
ttgatatctt tgaatttcta aatcatgttg aagatggttt gaaggaccat tatgatatta 180
agatgctgac atttttaatg ttggtgagac tgtctaccct ttgtccaagt gcagtactgc 240
agaggttgga ccgacttgtt gagccattac gtgcaacatg tacaactaag gtaaaggcaa 300
actcagtaaa gcaggagttt gaaaaacaag atgaattaaa gcgatctgcc atgagagcag 360
tagcagcact actaaccatt ccagaagcag agaagagtcc actgatgagt gaattccagt 420
cacagatcag ttctaaccct gagctggcgg ctatctttga aagtatccag aaagattcat 480
catctactaa cttggaatca atggacacta gttagatgtt tgttcaccat ggggaccatt 540
acatatgacc atacaatgca ctgaattgac aggttaatca taagacatgg aaagagaagt 600
gtctaaaagc ttcaaaatgt tccacttttt tttccttcat ggagactgtt tgtttggctt 660
tcttccattg ttgtttttgt agcatttatt tcagaaatgt gtatttccat aatccagagg 720
ttgtaaaacc actagtgttt tagtggttac agcaacattt gaaatggaaa ctaaaagtta 780
ggattttatg gagtatggag atagggtcca gtatctattt accctgtaat gtttaggatt 840
aaaatgttaa aattttgtga ccntgaattt ctttctttta taaattttct catttaaaaa 900
tcaaaaaa 908

<210> 2661
<211> 872
<212> DNA
<213> Homo sapiens

<400> 2661
aattccgttg ctgtcgaaat ttttgaaggt cttggcccaa aagttgaact gccactgtat 60
aaccagccat cagataccaa ggtgtaccat gagaacatca agacaaacca ggtgatgagg 120
aaaaaactca ttttatttttt taaaagaaga aatcatgcaa gaaaacaaag ggaacaaaaa 180
atctgccagc gttatgatca gctcatggag gcatgggaga aaaaagtgga cagaatagaa 240
aataatcctc ggaggaaagc taaagaaagc aaaacmaggg aatactattr aaaagcagtt 300
tccagaaatt cgaaaacaaa gagaacagca agaaagattt cagcgagttg ggcagagggg 360
agctggtctt tcagccacca ttgctaggag tgagcatgag atttctgaaa ttattgatgg 420
gctctctgag caggagaata atgagaaaca aatgcggcag ctctcgtgat tccacctatg 480
atgtttgatg cagaacaaag acgagtcaag tycattamca tgaatgggct tatggaggac 540
cctatgaaag tgtataaaga taggcagttt atgaatgttt ggactgacca tgaaaaggag 600
atctttaagg acaagtttat ccagcatcca aaaaactttg gactaattgc atcatacttg 660
gagaggaaga gtgttcctga ttgtktttg tattactatt taaccaagaa aaatgagaat 720
tataaagccc tcgtcagaag gaattatggg aaacgcagag gcagaaacca gcaaattgct 780

cgaccctcgc aagaagaaaa agtagaagaa aaagaagagg ataaagcaga aaaaacaraa 840
aaaaaagaag aagaaaagaa agatgaagag ga 872

<210> 2662
<211> 448
<212> DNA
<213> Homo sapiens

<400> 2662
cgcgctttga aaaaatgaga tcagcaaaac gcaggcaaca gacctaatac atttcaaaac 60
ttgatatttc attttgcgtt ttagctagag aagttttcct tgtgacttac taatggctgc 120
aatgccaatg attgtaagaa aacaaacaaa tttatcatga aattctcctt gtcattttat 180
amrtssmyat tttaacatca tttatggttc cagagatgca tacacttttt tctgacaaga 240
aaaagtaaaa ggtgatgagg gcaattctgt cctactgttt ttacaggcct ttttcaaatg 300
cagattttgt cataaagttg ttatagattt tttaaaatgc ttttttaata ttaaaatgta 360
cttttacatt cttaatcttt ttttagaaag gaaaagtttt cttcatttag ctgctgattt 420
aaaagtaaag ttctccaatt cttaaaaa 448

<210> 2663
<211> 498
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(498)
<223> n = A,T,C or G

<400> 2663
aattactagt gggggagtaa ggggacaggc cattgggcat actggagcag catttactca 60
gtcattgaga aaaggatgga acattcaata aagggtgctg gacacatttg tgctctaaaa 120
attttgtgtt tcacctatta atttatccct ccccttagcc cctggcaaac actgatctgt 180
ttactgtctc catagttttg cctttcccag aatgtcacac ccttggaatc atacagcatg 240
taacctttc agattggctt cttttacgta gtaatatgca tttaggattc cttcatgcct 300
tttcctggat tgatagctca tttnttttta gtcctgaata atattccatt ctatggatat 360
accacaattg atccattcac ctactgaagg tcattttgat tgcttccaag ttttgataat 420
ttaaaaaatt ttttaagaca gggtgtcatt gtgttttcca tactggtctc ctgaacacct 480
gggctgatgt gaacccct 498

<210> 2664
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 2664
aattccgttg ctgtcggagc tcgtgagtgg gcgccgccgc caccgccccc gccgccgtcg 60
tctcggtagc agccttcgcc acgccggggt cttcagctcc actggggcca tgtcagagcg 120
agaagagcgg cggtttgtgg agatccctcg ggagtctgtc cggctgctcg cagaggacgt 180
gtgctatcgt ctgagagagg ccacgcagaa tagctctcag ttcatgaagc acaccaaacg 240
ccggaagctg acggttgagg acttnnncag ggccctcaga tggagcanng agtaggctgt 300

<210> 2665
<211> 787

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(787)
<223> n = A,T,C or G

<400> 2665
gccacgtttg caaaaatgca gcaaaaaagt tacttagtct ggctgtttag tagaatttac 60
ctctactcat tcatcagcct ctttatatat atgattttaa gtcttttcat tgcactgatc 120
actgatacat acgaaacaat taagcaatac caacaagatg gcttcccaga gactgaactt 180
cgtacattta tatcagaatg caaagatcta cccaactctg gaaaatacag attagaagat 240
gaccctccag tatctttatt ctgctgttgt aaaaagtagc tatcaggttt atctgtactt 300
tagaggaaaa tataatgtgt agctgagttg gaacactgtg gatattctga gatcagatgt 360
agtatgtttg aagactgtta ttttgagcta attgagacct ataattcacc aataactgtt 420
tatattttta aaagcmatat ttaatgtctt tgcaacttta tgctgggatt gtttttaaaa 480
aaactttaat gaggaaagct attggattat tattatttct tgtttatttt gccatggctt 540
tagaatgtat tctgtatgcc tctcttttgc tctgatactg ttgctcctgc tattctgatt 600
gtgcagactg tataattagt ggaaaacaat ccttggtctg actgtgactt tggacactca 660
gtnaccctgg cttggaccac tctcaggagn catncttgag agagtgggtg tagttacatt 720
tntcagtaac atgnatttaa antcccttga naggaagaat agagtnacag aatagacnca 780
cagaatn 787

<210> 2666
<211> 703
<212> DNA
<213> Homo sapiens

<400> 2666
ttgtgaacca gatgatgaaa gtggctatga tgttttagcc aacccccag gaccagaaga 60
ccaggatgat gatgacgatg cctatagcga tgtgtttgaa tttgaatttt cagagacccc 120
cctcttaccg tgttataaca tccaagtatc tgtggctcag gggccacgaa actggctact 180
gctttcggat gtccttaaga aattgaaaat rtctctcccg catatttcgc tgcaattttc 240
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tcttgttctc ttgctccaaa gacctggaag ccttcaaccc tgaaagtaag gagctgttag 360
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ccccagtgat ctggcctcag acaactactg gtgagcaagc tggacccasc mtgtacagtg 480
tgttatagtg ttaatccttg tgcatatgtg tcataataca actatttctg taaagaaagg 540
acactattac atatgaaaat atctcttctt tatataagag aaattactcc agtcagaagg 600
acttagaaac atgtttttt ccttttaaac ttttaagtca gtttttatga agttgttata 660
atgtttcttt acttttcaat gcacacatgc tttgggatac gtt 703

<210> 2667
<211> 1018
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1018)
<223> n = A,T,C or G

<400> 2667
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cwssaggcga caagaacctg gcacagccaa ttgacccagg agatctcggt gctgaaggag 180
ctcaaggagc agctggaaca agccaagagc cacggggaga aggagctgcc acagtggttg 240

cgtgaggacg agcgtttccg cctgctgctg aggatgctgg agaagcggca gatggaccga 300
gcggacacaa gggtgagctt cagacagaca agatgatgag ggcagctgcc aaggatgtgc 360
acaggctccg aggccagagc tgtaaggaac ccccagaagt tcagtctttc agggagaaga 420
tggcattttt cacccggcct cggatgaata tcccagctct ctctgcagat gacgtctaat 480
cgccagaaaa gtatttcctt tkttccaytg accaggctgt gaacattgac tgtggctaaa 540
gttatttatg tggtgttata tgaaggtact gagtcacaag tcctctagtg ctcttgttgg 600
tttgaagatg aaccgacttt ttagtttggg tcctactgtt gttattaaaa acagaacaaa 660
aacaaaacac acacacacac aaaaacagaa acaaaaaaaa ccagcattaa aataataaga 720
ttgtatagtt tgtatattta ggagtgtatt tttgggaaag aaaatttaaa tgaactaaag 780
cagtattgag ttgctgctct tcttaaaatc gtttagattt tyytsgttgt acagctccac 840
cttttagagg tcttactgca ataagaagta atgcctgggg gacggtaatc ctaataggac 900
gtcccgcact tgtcacagta cagctaattt ttcctagtta acaatttgtc atattammmm 960
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<210> 2668
<211> 587
<212> DNA
<213> Homo sapiens

<400> 2668
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atgtttttca gccgtctcta gcagtattta aaggacaagg aaccaaagaa tatgaaattc 120
atcatggaaa gaagattcta tatgatatac ttgcctttgc caaagaaart kygrmwkmks 180
atgttaccac gcttggacct caaaattttc ctgccaatga caaagaacca tggcttgttg 240
atttctttgc cccctggtgt ccaccatgtc gagctttact accagagtta cgaagagcat 300
caaatcttct ttatggtcag cttaagtttg gtacactaga ttgtacagtt catgagggac 360
tctgtaacat gtataacatt caggcttatc caacaacagt ggtattcaac cagtccaaca 420
ttcatgagta tgaaggacat cactctgctg aacaaatctt ggagttcata gaggatctta 480
tgaatccttc agtggtctcc cttacaccca ccaccttcaa cgaactagtt acacaaagaa 540
aacacaacga agtctggatg gttgatttct attctccgtg gtgtcat 587

<210> 2669
<211> 300
<212> DNA
<213> Homo sapiens

<400> 2669
gggaagttgt tgttcaaatc tgtagtgtgt ccagtcagca caaacgagga aatgatggca 60
gagttagttt aataaaacag agggaatcta cgttaggtat catgtatcgg agtgaactgc 120
tttcttttat caaaaaatta cgagaaccac tcgttttgac tattatttta tcactctttg 180
tgaaacttca caatgttcgg gaggacattg tgaatgatat tacagctgaa cacatttcta 240
tttggccatc ttccattccc aacctccagt ctgtggactt tgaagctgtg gcaatcacag 300

<210> 2670
<211> 1187
<212> DNA
<213> Homo sapiens

<400> 2670
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acttcccctc ctcagtgctc ttgtttgctc tgaaagatac aaccttgcag tagtttggct 120
tcgtcatgca gaatgtttaa aggccttagg ctatatggag cgagctgctg aaagctatgg 180
caaggtggtt gatctggccc cactccattt ggatgcaagg atttcacttt ctacccttca 240
gcagcagctg ggccagcctg agaaagctct ggaagctctg gaaccaatgt atgatccaga 300
tactttagca caggatgcaa atgctgcaca gcrggaactg aagttattgc ttcatcgttc 360
tactctgttg ttttcacaag ggcaaaatgt atgggttatg tgggatacct tacttactat 420
gttaggccat gcttttaaag gtagcaatga atcgagccca agtttgtttg atatccagtt 480
ccargtctgg agagaggcat ctttatctta ttaaagtatc gagagacaaa atatcagaca 540

gcaatgacca agagtcagca aattgtgatg caaaagcaat atttgctgtg ctcacaagcg 600
tcttgacaaa ggatgactgg tggaatcttc tgttgaaggc catatactcc ttatgtgacc 660
tatcccgatt tcaagaggct gagttgcttg tagattcctc attggaatat kactcatttt 720
atgatgacag gcaaaaacgc aaagaactag aatactttgg tctgtctgct gcaattctgg 780
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<210> 2671
<211> 1402
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1402)
<223> n = A,T,C or G

<400> 2671
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ctgattaaca ggaggcagct gcagtgcaga ggtcaaaagg gagggtgttc caggcagaga 180
aaacagcctg tgcaaaggcc ctgaggmaga aacaaactct acttgaggtc agcctggtta 240
gaaagcccaa ctcaaaatag aaagtattac atgataaggt ctgaggcagg ctggacccag 300
atcttacagg accttgttaa taaggatccc atttggtccc ccacagtcct gagaagcggg 360
cagggctgtg ggaaacagca gatatttagt ggtaagcctg agatcagaac ccaagtctgc 420
acttcctagt nacgttctcc ctgtagtgct aagcccagag acctgagctg ttaacctaga 480
acagtgtgct tcctaagcct taatgtgcat acccatcgcc tggagctcgc cttaagatgt 540
aggttctgcc tgaagcccaa gttcatttag tatgtcatgg ttaattcaga gtaaaatcaa 600
gagttagtac ttgatttatg cttgttatat aaagaaagag acaacttcac tgtatgatca 660
ttttgtcact tttcaaaagc atttaattcc cattcaattg aaaatgtttc aagaacaaac 720
ctgtttggtc attttattga tattgcacat ttgtatatga ataaattttt gcaaattaar 780
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gtttgcccct agcaagacag ctcttcctga gacgtgcttg caggccccta tgtgggtttt 1260
cccaccgcag tcatcatccg tcatctgtga ccttgctgca tttactccat gctcacaccc 1320
cagcagcccg cnggggtttg ggcatcgccc ttcagngggc atcaaacttc cccnggtggc 1380
aatgttacaa gagttaggcc ag 1402

<210> 2672
<211> 343
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(343)
<223> n = A,T,C or G

<400> 2672
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atgaaaataa ttggagmmaa agtcactagg ctgctttgtg agaggcagca taccatggct 120
ctaaacccgt tcacaaaaaa caatgttaga gacattagga attcaggttt tgaaaatctt 180
tttttcgatt tatttgtaat ttacatacca aaaaaccaca ttaaaatagt cctcccttca 240
acatggctat ctttttttcaa gttttatatg catagctctc tcagcacttg aatggaaaam 300
tgtacagcat tgggagnagt tnttctttga gacantgggc agt 343

<210> 2673
<211> 509
<212> DNA
<213> Homo sapiens

<400> 2673
gccctgtttg cctataagat gtcatcggtg cagatgatgt ttggggtcaa tttcttctcc 60
tgcctcttca cagtgggctc actgctagaa caggggggccc tactggaggg aacccgcttc 120
atggggcgac acagtgagtt tgctgcccat gccctgctac tctccatctg ctccgcatgt 180
ggccagctct tcatctttta caccattggg cagtttgggg ctgccgtctt caccatcatc 240
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gcgcggggcc gtctaaagca acggggaaag aaggctgtgc ctgttgagtc tcctgtgcag 420
aaggtttgag ggtggaaagg gcctgagggg tgaagtgtcc tactaaaaag aataaatgtt 480
ggcagtgaat taaacaattt ttcaaatga 509

<210> 2674
<211> 485
<212> DNA
<213> Homo sapiens

<400> 2674
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aagaaaaagc aaagtcaaca ccatcaaaga tgaaagtgtt cgtgcttcag ggaacactat 120
caagaaagtg aaaagacaac ccaagaatgg gatagtattt tsyamwwcwm mtawmtkytr 180
mgrmkctyga yatctattct agctatagga ctcttacaac ttaataaaag agaaaaccca 240
cctgggtgca ctggctcacg cctgtaatcc cagcactttg ggaggccagg cggacggatc 300
acttaagccc aggagttcaa gaccagcttg ggcaacacgg caaaaccctg tctctacaaa 360
aaataccaaa ataattagtc gggtatggtg gcgggcacct gtggtcccag ctaatcgaga 420
ggcagaggtg ggaggatctc ttgggcccag gaggtggagg ctgcagtgag ccaaaatcag 480
accat 485

<210> 2675
<211> 1260
<212> DNA
<213> Homo sapiens

<400> 2675
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ctgcccctgt atgcgcgccc catcttcctg cgcctcctgc ctgagctgca caaaacagga 120
acctacaagt tccagaagac agagctacgg aaggagggct ttgacccggc tattgtgaaa 180
gacccgctgt tctatctaga tgcccagaag ggccgcatac gtcccgctgg accaagaggc 240
ctacagccgc atccaggcag gcgaggagaa gctgtgattc cccccatccc tctgagggcc 300
ggcggatgct ggatccggag ccccaggttc cgccccagag cgtcctggac aaggccagac 360
caaagcaagc agggcctggc acctccatcc tgaggtgctg cccctccatc caaaactgcc 420
aagtgactca ttgccttccc aacccttcca gaggctttct gtgaaagtct catgtccaag 480
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gcagggagct tataaatgga accagagcag aagtccccag actcaggaag tcaacagagt 660
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ccaagttcac tgggctccac ccccacctcc aggaggggag gagaggacct gacatctgta 780
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ctccccatc ctcctccctg ggtggctgcc tgattatccc tcaggcaggg cctctcagtc 900
cttgtgggtc tgtgtcacct ccatctcagt cttggcctgg ctatgagggg aggaggaatg 960
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cacccaagcc caccctgacc ccagarcccc acagccccac tgtggccgct tgatccccca 1080
cgccaacccc ctggcccatt gacccgcctc atctgttcat tcacttatct aagctgaggg 1140
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ccatgtgaat ctggcaaggt gtttaacagt gtgggcttga aagyccaaac caaaaaaaaa 1260

<210> 2676
<211> 649
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(649)
<223> n = A,T,C or G

<400> 2676
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gcatcaagcc cgaccgagcc caccactgca gtgtttgtaa gcggtgcatt cggaagatgg 120
accaccactg tccctgggtc aacaactgtg taggcgagaa caaccagaag tacttcgtcc 180
tgtttacaat gtacatagct ctcatttcct tgcacgccct catcatggtg ggattccact 240
tcctgcattg ctttgaagaa gattggacaa agtgcagctc cttctctcca cccaccacag 300
tgattctcct tatcctgctg tgctttgagg gcctgctctt cctcattttc acatcagtga 360
tgtttgggac ccaggtgcac tccatctgca cagatgagac gggaatagaa caattgaaaa 420
aggaagagag aagatggggc taaaaaaaca aaatgggatg aacatgaaag ccgtttttkg 480
gccacccctt cttytctagg gcttggggcc agccccttt tgccacggsc aggaccaagg 540
gggargggma gacccccttac cagtatgttg ggggttttaa gggggccccc gacccggcat 600
ttgggccact ttaggncaca agttncccca ancacaagca ctttaccgt 649

<210> 2677
<211> 862
<212> DNA
<213> Homo sapiens

<400> 2677
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atctcagtca swwcatgtat tcagyayttk cttctmtctg gaytammttr aagttactss 120
ssktymccaa gcagtgaaac gaatggacca aaggggtaaa tctctttgaa caagaaatta 180
ttctggtgcc tattcatcgg aaggtacatt ggagcctggt ggtgattgac ctaagaaaaa 240
agtgtcttaa atatctggat tctatgggac aaaagggcca caggatctgt gagattctcc 300
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gaatgtttac ttgtaaatat gcagattata tttctaggga caaacctatc acatttactc 480
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atacctcatg cattgtgggt taaaaagtcc ctgcatcact tctgttctca caggtactga 660
gctgtcaaaa gtgcatgaag gcctctcact gtactctagt cctgacttgg ggtgcagagg 720
gctgcttgca atcctgtttg taaggctgtg cctgctcaga gctttggrct gttcaaccca 780
cacaagaaca aacgctaact aatatttttt ttaagagatt cttttcccta tgaatgtggg 840
aaatgcagga tttattctgt ga 862

<210> 2678
<211> 655
<212> DNA

<213> Homo sapiens

<400> 2678

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actattttta gcagacaaaa aaaagaacta agtataaaat gtataaatat ttttgacttg 120
aacatttgga tggcactggg tsmamgtaga gcatccatcc ttcggatgra atgtttggaa 180
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agtcaagact gttacttttt agccatggct gacattgtat caataactaa aactgaaaca 480
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gaaatccatg acaaacaaaa ggatgtgatc attaattgta aagcgctttg taaaattcac 600
atttacaaaa taataaagtc agttcaaacc taaaaaaaaa aaaaaaaaaa aaaaa 655

<210> 2679
<211> 844
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(844)
<223> n = A,T,C or G

<400> 2679

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cagcaaatga agctgaagga gcggcagaag ttttttgagg aagccttcca scaggacmtg 240
gascwgtacc tgtycactgg stactctgma gattgcagwg yggygagmyc mtwagncagc 300
atgtcatcca tggaagtgaa cgtggacatg ctggagcaga tggacctgat ggacatatcg 360
gaccaggagg ccctggacgg tcttcctgaa ctctggagga gaagagaaca ctgtgctgtc 420
ccccgcctta gggcctgaat ccagtacctg tcagaatgag attaccctcc aggttccaaa 480
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gacagcgact cttaaattgg gacatgggcg ttgtctggcc acactggaat ccagttttgg 720
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aaaa 844

<210> 2680
<211> 415
<212> DNA
<213> Homo sapiens

<400> 2680

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gctcaggagg tctggatctg tgatgagatg gggraagtgg gctcaggagg tctggatctg 180
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gctcaggagg tctggatctg kgrtggrgat ctggagtgga agkggarytc akkwgktcwk 300
krtctrtcct tttgtattga ttgaatttt tatatatata tgtgaatttt cacaataaaa 360
ttttttttcca aaataaaata aacaaaaggg gctttttgca acccaattcc tatct 415

<210> 2681
<211> 647

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(647)
<223> n = A,T,C or G

<400> 2681
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gatccctgtg cctgcaggag tcgaggatgg ccagaccgtg aggatgcctg tgggaaaaag 180
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tcccagrgcc tgtacgagac gatcaacgtg acgatccccc ctgggactca gacagaccag 360
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acatccacat caagatacga gttccaaaga ggctaacgag ccggcagcag arcctgatcc 480
tgagctacgc cgaggacgag acagatgtgg aggggacggt gaacggcgtc accctcacca 540
gctctggaaa aagatccact ggaaactagg ccgggaagca gcagcccctc caagggncag 600
ggcacctgng acgacgngag gnttccagan cagcagcact gagctcc 647

<210> 2682
<211> 870
<212> DNA
<213> Homo sapiens

<400> 2682
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gtcctcaagg ccaaagacat cagacatgaa gtggtcaaca ttaacctgag aaacaagcct 180
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raggaagctg tttcmatatg acccttatga acgagctcgc caaaagatgt tattggagct 360
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gcctgcggct ctggatatca gccatgaagt gggaccccac agtctgtgct cttctcatgg 660
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ttgggagtct acgtcacggc ttgtcttggg aaccaatccg tctctctttc ttttctttga 840
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<210> 2683
<211> 300
<212> DNA
<213> Homo sapiens

<400> 2683
aattccgttg ctgtcgccca aacccactcc accttactac cagacaacct tagccaaacc 60
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gcaagggaaa gatgaaaaat tataaccaag cataatatag caaggatcct cctgtttacc 180
ctgtacctcc aatgtctggc acttgtaggt gctcaaatat tcgttgaatg aatgaaaaat 240
ccatattgta attgatgtcc tctggccaca tagttttaaa attaggtgat tgattatatg 300

<210> 2684
<211> 2672
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(2672)
<223> n = A,T,C or G

<400> 2684

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gacttggaaa tagagctatt aaaacggcag cagaagttgg agcagcttga acttgagaag 120
cagaaattgc aagaagagca agaaaatgcc cccgagtttg tgaaggtgaa aggcaatctc 180
aggagaacag gccaagaagt cgcccaagcc caggagtcct aggctgaggc tgcaccaaga 240
cctcgtgtgt caccccacag agctgtctgt gggtgccttc tcaatctcag ggcaaaagcc 300
cctggagaat atttcagcca gcagagaatt ttgacttgca gtaggatttg gtttgatttt 360
cctacgatct gggtggatgc cttgcctgtg acagttgcag ttcctattcg ccaaatgaag 420
ggcagtgccc cgcacgtaaa gttggaatga tggacctgtg ttcagagact taacagaacc 480
aacaagcaaa acaagtgaga acaggaaaaa ggaagaggac actggaatca attcttgaga 540
gttgcactac ttggtttttc ttccattcca agtttcgtgg gacccagagc ctttttttctt 600
ttaaaagcta aaaaacaagt gtttaattcc tctttttgtt atctgttaga taattgagat 660
cacctagaaa tgcgtttaat ctgttcactc actgtaaatt ttgaggaccc agaattgtct 720
tgtttaattt atactttcac ccctgttgca gttaacacca gagaaggaac gtgaatgtcg 780
agcacagcca ctacccttgt tggcacttaa tttagaaata gggtgagaag tttaaaagcc 840
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tcgtattcac aggggccctg gtaggctcct ttagaaggac catttctgtt cctagagctt 2220
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tcctctcacc ccttaatact gtkgcaagcc ccaaactccc taggactcct tgaacatctt 2520
tgagcagttt ttggtgcctt tgaggccacc tttttggncc aaaaatgggc tcccattttt 2580
ccacagcggg gggttttccc ttaaaatngg tttaaagggt tttaanaggc cccntaggna 2640
ggaagnggtt ggccttcctt aaggccaaaa aa 2672

<210> 2685
<211> 1282
<212> DNA
<213> Homo sapiens

<400> 2685

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tcggcagctg gtgcgggggg cagctgagag cgagaggtgg atcggggcgg tgtgtggcca 120
gggcmrtgac gggcaatgcs gkggagtggt gcctcatgga aagcgacccc ggggtcttca 180
ccgagctcat taaaggattc ggttgccgag gagcccaagt agaagaaata tggagtttag 240
agcctgagaa ttttgaaaaa ttaaagccag ttcatgggtt aatttttctt ttcaagtggc 300
agccaggaga agaaccagca ggctctgtgg ttcaggactc ccgacttgac acgatatttt 360
ttgctaagca ggtaattaat aatgcttgtg ctactcaagc catagtgagt gtgttactga 420
actgtaccca ccaggatgtc catttaggcg agacattatc agagtttaaa gaattttcac 480
aaagttttga tgcagctatg aaaggcttgg cactgagcaa ttcagatgtg attcgacaag 540
tacacaacag tttcgccaga cagcaaatgt ttgaatttga tacgaagaca tcagcaaaag 600
aagaagatgc ttttcacttt gtcagttatg ttcctgttaa tgggagactg tatgaattag 660
atggattaag agaaggaccg attgatttag gtgcatgcaa tcaagatgat tggttcagtg 720
cagtaaggcc tgtcatagaa aaaaggrtac aaaagtacag tgaaggtgaa attcgattta 780
atttaatggc cattgtgtct gacagaaaaa tgatatatga gcagaagata gcagagttac 840
aaagacaact tgcagaggaa cccatggata cagatcaagg taatagtatg ttaagtgcta 900
ttcagtcaga agttgccaaa aatcagatgc ttattgaaga agaagtacag aaattaaaaa 960
gatacaagat tgagaatatc agaaggaagc ataattatct gcctttcatt atggaattgt 1020
taaagacttt agcagaacac cagcagttaa taccactagt agaaaaggga aaataggata 1080
aaagaacaag gtgtgagaag gaatagaagg aaacaaacag gaaagatatg gctgcaccat 1140
gcagtgctac tatatgctga gattctacag gatgagattt ttgaatagct gagcagttgc 1200
ctataatctg tgatgacata aaagtatttg acctaaaatc tttttatttg caaaataata 1260
aataaaaagt gattctccct cg 1282

<210> 2686
<211> 681
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(681)
<223> n = A,T,C or G

<400> 2686

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cagtcccgac gaacccctgc cggtggtgcg cattccagaa gagctcccga gacatacttc 120
tctgcacaga catagcctct cggggcctgg accagcactg gtgtggagct ggttgtcaat 180
tatgatttcc ccccaacgct gcaagattac atccacagag cagggagagt gggccgtgtg 240
gggagcgarg tgccaggcac cgtcatcagt tttgtgaccc atccctggga tgtgagcctg 300
gttcagaaga ttgagcctgg cggctcgccg aaggaraagt cttccnagga ctagcatcct 360
cggtgaaaga gcctttgccc caagcaacct gattttgaca aatctgatta aaatgtgatg 420
ctagaacagg gatctttccc agtatcttga gtgggtgacc cacacttgtc agtgggaggc 480
tctgggctgc ctgtcggctc cttgagggcg ggatgaactg ctttgtgact tggaaaggta 540
cgctgctggc cagcattgga gaagaagctg ctgagcatgg ctttctgtag tctttagcaa 600
gacacaagtg gattttgact ttgtatcatg tcatgatttc taacaataaa tgatgttttt 660
atgtgcaaaa aaaaaaaaaa a 681

<210> 2687
<211> 300
<212> DNA
<213> Homo sapiens

<400> 2687

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gggccaagag gatgaagtgg tcttggtgga agggcccacc ctcccagaga ccccccgact 120
cttcccactc aaaatccgtt gccgggctga cctggtcaga ttgcccctca ggatgtcgga 180
gcccctgcag agtgtggtgg accacatggc cacccacctt ggggtgtccc caagcaggat 240

cctttgctt tttggagaga cagagctatc acctactgcc actcccagga ccctaaagct 300

<210> 2688
<211> 964
<212> DNA
<213> Homo sapiens

<400> 2688
aattccgttg ctgtcgctga aggtcatcag gcagtctgct gggcaaaaga caacctgtgg 60
ccagggtctg gaagggccct gggagcgccc acccccctctg gatgagtccg agagagatgg 120
aggctctgag gaccaagtgg aagacccagc actaagtgag cctggggagg aacctcagcg 180
cccttccccc tctgagcctg gcacataggc acccagcctg catctcccag gaggaagtgg 240
aggggacatc gctgttcccc agaaacccac tctatcctca ccctgttttg tgctcttccc 300
ctcgcctgct agggctgcgg cttctgactt ctagaagact aaggctggtc tgtgtttgct 360
tgtttgccca cctttggctg atacccagag aacctgggca cttgctgcct gatgcccacc 420
cctgccagtc attcctccat tcacccagcg gaggtgggat gtgagacagc ccacattgga 480
aaatccagaa aaccgggaac agggatttgc ccttcacaat tctactcccc agatcctcty 540
ccctggrcac aggagaccca cagggcagga ccctaagatc tggggaaagg aggtcctgag 600
aaccttgagg tacccttaga tccttttcta cccactttcc tatggaggat tccaagtcac 660
cacttctctc accggcttct accagggtcc aggactaagg cgtttttctc catagcctca 720
acattttggg aatcttccct taatcaccct tgctcctcct gggtgcctgg aagatggact 780
ggcagagacc tctttgttgc gttttgtgct ttgatgccag gaatgccgcc tagtttatgt 840
ccccggtggg gcacacagcg gggggcgcca ggttttcctt gtcccccagc tgctctgccc 900
ctttcccctt cttccctgac tccaggcctg aacccctccc gtgctgtaat aaatctttgt 960
aaat 964

<210> 2689
<211> 635
<212> DNA
<213> Homo sapiens

<400> 2689
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ccatgcagaa gtcgtccgag tggtgtacca gccagaacac atgagttttg aggaactgct 120
caaggtcttc tgggagaatc acgacccgac ccaaggtatg cgccagggga acgacccatg 180
gcactcagta ccgctcggcc atctacccga cctctgccaa gcaaatggag gcagccctga 240
gctccaaaga gaactaccaa aaggttcttt cagagcacgg cttcggcccc atcactaccg 300
acatccggga gggacagact ttctactatg cggaagacta ccaccagcag tacctgagca 360
agaaccccaa tggctactgc ggccttgggg gcaccggcgt gtcctgccca gtgggtatta 420
aaaartaatt gctccccaca tggygggcct ttgaggttcc agtaaaaatg ctttcaacaa 480
atgggcaatg cttgtgtgat tcacaatcgt ggcatttaaa gtgcacaagt acaaggaatt 540
tatacagatt ggkttaccgm agtataatct ataggaggcg cgatggcagt gataaatgtg 600
acttatctcc taataagtat gggggggtgga gctgt 635

<210> 2690
<211> 300
<212> DNA
<213> Homo sapiens

<400> 2690
agcaaatgtg ggaactgcca aaccaaactg cacgacatcg acggcgtacc tcacctcatc 60
ctcatcgcct cccgagacat cgcggctggg gaggagctcc tgtatgacta tggggaccgc 120
agcaaggctt ccattgaagc ccacccgtgg ctgaagcatt aaccggtggg ccccgtgccc 180
tccccgcccc actttccctt cttcaaagga caaagtgccc tcaaagggaa ttgaattttt 240
tttttacaca cttaatctta gcggattact tcagatgttt ttaaaaagta tattaagatg 300

<210> 2691
<211> 300

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 2691
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catcgcctcc cgagacatcg cggctgggga ggagctcctg tatgactatg gggaccgcag 120
caaggcttcc attgaagccc acccgtggct gaagcattaa ccggtgggcc ccgtgccctc 180
cccgccccac tttcccttct tcaaaggaca aagtgccctc aaagggaatt gaatttttt 240
tttacacact taatcttagc ggattacttc anatgttttt aaaaagtata ttaagatgcc 300

<210> 2692
<211> 676
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(676)
<223> n = A,T,C or G

<400> 2692
cttgaatccc ttgaccttac tgatgagaaa aaggtcctcg agtgggctca ggagaagcgt 60
aagctgagcg tgttgcatat tcacggagtc tacaccaacc ctagtggcat tgtccttcat 120
ccggctggat atcagaacgt gctcaggaac actgaagtca tgagagaaat tcagaaactc 180
tacgaaaaca agtcatttct tttcctgggc tgtggctgga ctgtggatga caccactttc 240
caggcccttt tcttggaggc tgtcaagcat aaatctgacc tagaacattt catgctggtt 300
cggagaggag acgtagatga gttcaaaaag cttcgagaaa acatgctgga caaggggatt 360
aaagtcatct cctatggaga tgactatgcc gatcttccag aatatttcaa gcgactgaca 420
tgtgagatct ccacaagggg tacatcaggg atggtgagag aaggtcagct aaatggctca 480
tctgcagcac acagtgaaat aagaggctgt agtacatgag cgagctagag aaatcaccac 540
cgtttangac caagctgtaa ggccctacta cagacagtgt ttaacaagta aactttacaa 600
gaacccaaca caattcccca gaaagtnacc aatagccnga ggttgnaggg nccggggttg 660
aacaacgggg ggnatg 676

<210> 2693
<211> 829
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(829)
<223> n = A,T,C or G

<400> 2693
aattccgttg ctgtcgctta cttctcacac ccagccatcc gctatcaccc tcaggagacg 60
ctgaaagaat ttgtccaact tgtctgccct gatgctggtc agcaggctgg acaggtgggg 120
ttcctcaatc ccaatgggag cagccaaggc aaggtgcaca acccattcct tcccacccca 180
atgttgccac cgccaccgcc accaccgatg gccaggcctg tgcctctgcc ggtgccagac 240
acaaagcctc caaccacgtc aacagaagga ggtgcagcct cccccacgtc accaatcctr 300
ctcgacaccc agcacctccc ccgcaaaccg attcgtcagt gttggaccac gggatccaag 360
ctttgtaaat atccctcaac agacacagtc ctggtacctg ggataaaagt tgcagcgtcc 420
caccatccac cagacagacc acctgayccc ttctcaactc tgtaacatgg acgcaacctc 480

aacccagcgc agttacaact tcactatcag cggaagggga gaaaaaccga ttcaaatcaa 540
cttgtacatg gaaacagcaa gcattatggt caaacagcaa aggccataac cttttgggat 600
ttttttttt ttaaaatact ttagggactg ttgtaatttc tcatatggtg ctggaaatgg 660
ttgggctttg taacatttga agtgtttcca tggtarcgtg amatttaggt tgacgtggct 720
aagccggagg gactaaccct tgctcactga cttcctgttg taaacacttt ccttamgggg 780
cctgggctgt tttcacagta atttcnatga aatttacccc acacaggtg 829

<210> 2694
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 2694
cggatatcct ctccctcatc aaacttttct ccaccaactt tagcatctgg ttgccaccct 60
ccaaaatggc cccagtgatc ccatctccta ataagtacat gtctgtgtgg tcctctccya 120
cactgcatag gaatggctta cgtaaccaat aggtagttga ggatgtgatg cagtctgact 180
tttgaggcta agttgtaaag aaagacactg tgtctttcct ccttgttgtc ttggagcgct 240
tgctctngga gaaagccaga ggttcatgtt cgtgagggat aacttcaagt tgnccatttg 300
ggagaggtgn acattgggtg aaggaaatga aggncctaac tggccaattg nacccatgtt 360
aaagttnagt ccaaccaagg gnagattatt taccca 396

<210> 2695
<211> 467
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(467)
<223> n = A,T,C or G

<400> 2695
ggcttctgca accaggaccg gaggacactc ccgggggggc agcctccccc ccgggtgttt 60
ctggccgtgt ttgtggaaca gcctactccg tttctgcccc gcttcctgca gcggctgcta 120
ctcctggact atccccccga cagggtcacc cttttcctgc acaacaacga ggtcttccat 180
gaaccccaca tcgctgactc ctggccgcag ctccaggacc acttctcagc tgtgaagctc 240
gtggggccgg aggaggctct gagcccaggc gaggccaggg acatggccat ggacctgtgt 300
cggcaggacc ccgagtgtga gttctacttc agcctggacg ccgacgctgt cctcaccaac 360
ctgcagaccc tgcgtatcct cattgaggag aacaggaagg tgatcgnccc catgctgtnc 420
cgncacggna agcttgtggt ccaacttctg ggggcgccct gagcccc 467

<210> 2696
<211> 706
<212> DNA
<213> Homo sapiens

<400> 2696
gtcggctctt cctatcattg tgaagcagaa ttcaccaagc gttggattgt tcacccacta 60
atagggaacg agagccgaac agctgaagag agttcactga ctccccagcc ccaggtgggc 120
cttgtgcaca tcatgaccag ttttgaagat gctgacacag aagagacagt aacttgtctc 180
cagatgacgg tttaccatcc tggccagttg cagtgtggaa tatttcagtc aataagtttt 240
aacagagaga aactcccttc cagcgaagtg gtgaaatttg gccgaaattc caacatctgt 300
cattatactt ttcaggacaa acaggtttcc cgagttcagt tttctctgca gctgtttaaa 360

aaattcaaca gctcagttct ctcctttgaa ataaaaaata tgagtaaaaa gaccaatctg 420
atcgtggaca gcagagagct gggctaccta aataaaatgg acctgccata caggtgcatg 480
gtcagattcg gagagtatca gtttctgatg gagaaggaag atggcgagtc attggaattt 540
tttgagactc aatttatttt atctccaaga tcactcttgc aagaaaacaa ctggccacca 600
cacagrccca taccggagta tggcacttay tcgctctgct cctcccaaag cagttctccg 660
acagaaatgg gatgaaaatg agtcatggac acagaaagtc taaagg 706

<210> 2697
<211> 566
<212> DNA
<213> Homo sapiens

<400> 2697
cagctcctcc accagcataa tgggacccag catccctgcc aaaactcggg aggtgctcgt 60
cagccacctg gcatcttaca acacatgggc tttacaaggc atgtatggag tttcttgtgg 120
gcttsgsagg tgsyygtsaa ggccaycwgy gatctkaagc cwryacwtgs scytymcmag 180
gtcctgtgag tggagaggca cagagtgttc tgggctagct gagtgtggag gctgggtggc 240
tctgatgcta gccaatcact ctacgctcta ggctcacacc tttccaccty cgacttcgcc 300
agcagaagtc ttgagttcaa tctcattgcc ctggcttggg tcacatgtcc atccatgaac 360
caatcactag actgggtgcg gaaactctga tttgccaagt tcgggtcatg tgtctcacta 420
ggtaagagca gaggaggatc acccccagga agaccagagt gctctttcag aagagtggga 480
caatcgctgg atggctcttt gcaccactca ctcctgttct ctgctagggc tgctgggact 540
cacaaggggt aggttgtggc agctgc 566

<210> 2698
<211> 760
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(760)
<223> n = A,T,C or G

<400> 2698
ttgaaattac aaatcacgca actgcaacac tagaaggcaa tcagattttt aacaaccggt 60
ttggaggctt atttttagca tctggtgtta atgtgacaat gaaagataac aaaataatga 120
acaatcaaga tgccatagaa aaggctgtta gtagaggcca atgtttatat aaaatatcaa 180
gttataccag ctatcccatg catgatttct acagatgtca tacttgtaac accacagatc 240
gaaatgccat atgtgtgaac tgcattaaga agtgccatca gggacatgat gtagagttta 300
ttagacatga taggtttttc tgtgactgtg gtgctggaac actgtctaat ccttgtacat 360
tagctggtga gctacacatg atacagatac actatatgac tctgctccac ctatagaats 420
taatacattg cagcacaact gaattccttc cctaaagaaa aagtccctgc ccattggtaa 480
catccataac tttaaaacac ttttttgga agaagattta aaatattttg gcccatggct 540
acagggaaga gactggtatt aaaaatggga tacaccaggt cagttgacac ctatggaagc 600
ctccaagcta cccaaaaagg aaagtggggc natatattgg actccnggga tctccnaagc 660
ctggggtggn tttaggcatt accggggggt aaagaccttt gaaggggcca gaagttggag 720
gaaataagcc ggccattttg gtncggatcc caccttctgg 760

<210> 2699
<211> 273
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(273)
<223> n = A,T,C or G

<400> 2699
gggatcccga gctgtcctgc agctgtaccc tgagaactca gagcagttgg agctgatcac 60
aacccaggcc acaaaggcag gcttctccgg tggcatggtg gtagactacc ctaacagtgc 120
cannntatan naatnttcct ttgtttnana tntgaccttn ttncnntnnt nctnttngct 180
ntntatnnac ttnttcnaaa nctncttngn gtgntcngtt ctatctatnt atnttntntc 240
tcntttcntt tntgnanctt tgattntatt tat 273

<210> 2700
<211> 334
<212> DNA
<213> Homo sapiens

<400> 2700
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gaacccactc tcctggatcc agaaagtgtg cttctataaa gctcgggccg cgctggtgaa 120
gtcgcgagac atgcactggt ctctcctagc tcagcggggc cagagggacg tcagcctcag 180
ctcactgcgc atgctgattg tggccgatgg tgccaacccg tggtcgatct cctcctgtga 240
cgccttcctc aacgtcttcc agtccagagg tctgaggcca gaggtcatct gtccttgtgc 300
aagttctcct gaggcgctga cttgtcggca tccg 334

<210> 2701
<211> 306
<212> DNA
<213> Homo sapiens

<400> 2701
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rcrwgaagcc aacagcaagg cagacccatc cytcaaccct kaacagctca agaaattgca 120
agacaaaata gaaaagtgca agcaagatgt tcttaagacc aaagagaagt atgagaagtc 180
cctsaaggaa ctcgaccagg gcacacccca gtacatggag aacatggagc aggtgtttga 240
gcagtgccag cagttcgagg agaracgcct tcgcttyttc cgggaggttc tgcttggagg 300
ttcaag 306

<210> 2702
<211> 1078
<212> DNA
<213> Homo sapiens

<400> 2702
ggtgaatgcc acacccttca agattgctcg aggccagatc ttgaagatac tcacagggaa 60
gatagtggtg gggcatgcca tccacaacga cttcaaagcc cttcagtact ttcaccccaa 120
gtccctcacc cgtgacacct cccatmkscm csmsctcaac cggaaggctg actgcccgga 180
gaatgccacc atgtctctga agcatctcac caagaagctg ctaaaccggg atatccaggt 240
tgggaagagc ggacattcct ctgtggaaga tgcccaggcc accatggagc tatataagtt 300
ggttgaagtc gagtgggaag agcacctagc ccggaatccc cctacagact agtggcartg 360
gggacgctgg tgatatgagg aggcagaggc agcacccagg agaaacaggg cagtggacca 420
atggacagct ccaccagctc cacatctttg gaagctagat ttggggagag agaagctcta 480
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aatggtgcta acacaggtgt cccagggtgc tctgtgccag ttaagatttt taactttcaa 660
ggggcagggc atactgggaa atgtagtttc ccaaactgcc ttatcacttg ggtggacata 720
tgtctccttt tatgcctttt ggtcttgagt aattaacagc atcctcttcc acgctcagaa 780
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<210> 2703
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 2703
ccgtgggact agggcggcga tggtgtccca tgcagagtgc cgtcctctgg gagtgtttga 60
gtgtgaactc tgtacnttga cagctccgta cagctatgtg ggacagaagc cccccaacac 120
ccagtcgatg gtgaatgcag tttattctac tccaagagat tctgcctccc ttgtgtccgg 180
gagaacatca atgcttttcc tcaggaaatt cggcaagact tggagaaaag gaaagctcca 240
tcaaagagga cccccagcca gcccggttct cggacgtgag tgcaactggg gctaggtcat 300

<210> 2704
<211> 441
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(441)
<223> n = A,T,C or G

<400> 2704
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ttcagcagaa ggtcagtaaa ggcatcgacc ctcctcaagt cctctcgccg gacatggtcc 120
cgccttcgga gagaggcacg cccggcccgg acagttcagg ctctctcggc tccggggagt 180
ttactggcgt gaaggagctt gattgacatc agtcaagaga ttgcccagtt acaaagagag 240
aaatattcac tggaacaaga cattcgagaa aaggaagagg caatcatgac agaaaaccag 300
cgaggtgcag gaattacaaa atgacctaga ccgggaaaca agcagtttnc aggagctcga 360
ggctcagaaa caggatgctc aagaccgcct ggncgagatn gaccagcaga aggccaagct 420
ncgagacatg ctnagcgacg t 441

<210> 2705
<211> 439
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(439)
<223> n = A,T,C or G

<400> 2705
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ttcagcagaa ggtcagtaaa ggcatcgacc ctcctcaagt cctctcgccg gacatggtcc 120
cgccttcgga gagaggcacg cccggcccgg acagttcagg ctctctcggc tccggggagt 180
ttactggcgt gaaggagctt gatgacatca gtcaagagat tgcccagtta caaagagaga 240
aatattcact ggaacaagac attcgagaaa aggaagaggc aatcagacag aaaaccagcg 300
aggtgcagga attacaaaat gacctagacc gggaaacaag cagtttncag gagctcgagg 360
ctcagaaaca ggatgctcaa gaccgcctgg ncgagatnga ccagcagaag gccaagctnc 420
gagacatgct nagcgacgt 439

<210> 2706

<211> 304
<212> DNA
<213> Homo sapiens

<400> 2706
gggactcgtt accatcactc ccaccacagg ctccgatggg cgcccagatg cccgggtccg 60
cctcgaccgc agcaagatcc ggtctgtggg caagcctgct ctagagcgct tcctgcggag 120
acttcaggtg ctgaagtcca caggggatgt ggccggaggg cgggccctgt acgaggggta 180
tgcaacggtc actgatgcgc cccccgagtg cttcctcacc ctcagggaca cggtgctgct 240
gcgtaaggaa tctcggaagc tcattgttca gcccaacact crccttgaag gctcagacgt 300
gcag 304

<210> 2707
<211> 921
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(921)
<223> n = A,T,C or G

<400> 2707
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cggcaatgag gatgactgtt ggaatgggaa aggcaaaagc aggtacctgt ttgcagtgac 120
aggaaatgga ttagccaacc agggcaacaa cccagaggtc caggttgaca ccagcaaacc 180
agacatactg atccttcgtc aaatcatggc tcttcgagtg atgaccagca agatgaagaa 240
tgcatacaat gggaacgacg tggacttctt tgatatcagt gatgaaagta gtggagaagg 300
aagtggaagt ggctgtgagt atcagcagtg cccttcagag tttgactaca atgccactga 360
ccatgctggg aagagtgcca atgagaaagc cgacagtgct ggtgtccgtc ctggggcaca 420
ggcctacctc ctcactgtct tctgcatctt gttcctggtt atgcagagag agtggaagat 480
aattctcaaa ctctgagaaa aagtgtttca tcaaaaagtt aaaaggcacc agttatcact 540
tttctaccat cctagtgact ttgcttttta aatgaatgga caacmatgta cagtttttac 600
tatgtggccc actggtttaa gaagtgctga ctttgttntc tcattcagtt ttgggaggaa 660
aagggactgt gcattgagtt ggttccctgc tcccccaaac catgttaaac gtggctaaca 720
gtgtaggtac agaactatag ttagttgtgc atttgtgatt ttatcactct attatttgtt 780
tgtatgtttt tttctcattt cgtttgtggg ttttttttttc caactgtgat ctcgccttgt 840
ttcttacaag caaaccaggg tcccttcttg gcacgtaaca tgtacgtatt tctgaaatat 900
taaatagctg tacagaaaaa n 921